CL5000J Series

User's Manual

Rev 2007.09.06

Table of Contents

1. GENERAL 5
1.1 PRECAUTIONS 5
1.2 INTRODUCTIONS 7
1.3 SPECIFICATIONS 8
1.4 NAME AND FUNCTIONS 10
1.5 Basic set-up 12
1.6 SYMBOLS 13
1.7 KEY FUNCTIONS 13
1.8 Installation of the Label Roll 16
2. PROGRAMMING 19
2.1 PLU Programming 21
2.1.1 Create By-Weight PLU (Menu code 1120) 22
2.1.2 Create By-Count PLU (Menu code 1120) 27
2.1.3 Create By-PCS PLU (Menu code 1120) 32
2.1.4 Editing PLU (Menu code 1120) 37
2.1.5 Expand PLU (Menu code 1144) 37
2.1.6 Listing PLU (Menu code 1150) 37
2.2. Programming PLU Data Table I 38
2.2.1 New/Edit Sales Message (Menu code 1240) 38
2.2.2 Origin (Menu code 1250) 39
2.2.3 Barcode (Menu code 1260) 40
2.2.4 Tare (Menu code 1270) 42
2.2.5 List Unit Symbol (Menu code 1280) 43
2.3 Programming PLU Data Table II 44
2.3.1 Ingredient (Menu code 1310) 44
2.4 Speed Key Setting 45
2.4.1 Speed Key (Menu code 1160) 45
2.5 Programming Store Data 46
2.5.1 Store Data (Menu code 1410) 46
2.6 Programming Global Setting 47
2.6.1 Global Label Format (Menu code 1510) 47
2.6.2 Barcode Format (Menu code 1520) 48
2.7 Printing Programming 49
2.7.1 Printing (Menu code 1700) 49
2.7.2 Print Inhibit Item(Menu code 1710) 49
2.7.3 Printer Hardware (Menu code 1730) 50
2.7.4 Label Size (Menu code 1732) 50

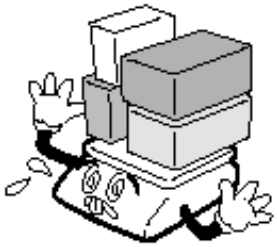
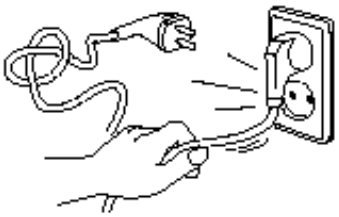
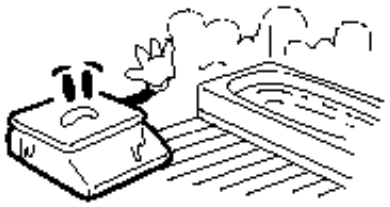
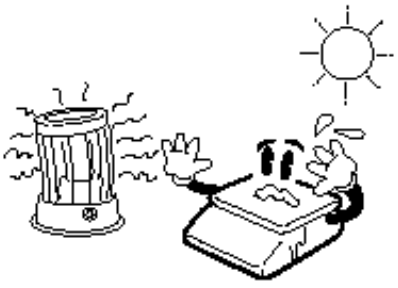
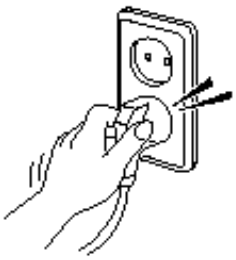
2.7.5 Sensor Calibration (Menu code 1733) 50
2.7.6 Sensor & Motor (Menu code 1734) 50
2.7.7 Print Intensity (Menu code 1735) 51
2.7.8 Adjust Feed Length (Menu code 1736) 51
2.7.9 Label Preprint (Menu code 1737) 51
2.7.10 Printer Initialize (Menu code 1738) 51
2.8 Programming Scale Configuration 52
2.8.1 Department (Menu code 1830) 52
2.8.2 Date & Time (Menu code 1840) 52
2.8.3 Change Password (Menu code 1852) 53
2.8.4 Display Test (Menu code 1861) 53
2.8.5 A/D Test (Menu code 1862) 53
2.8.6 Keyboard Test (Menu code 1863) 53
2.8.7 Chess Printer Test (Menu code 1864) 53
2.8.8 Scale Parameter (Menu code 1870) 54
2.8.9 Clear Memory (Menu code 1890) 54
2.8.9.1 Clear PLU (Menu code 1891) 54
2.8.9.2 Clear Table1 (Menu code 1892) 54
2.8.9.3 Clear Table2 (Menu code 1893) 54
2.8.9.3 Clear ALL (Menu code 1894) 54
2.9 Report 55
2.9.1 Report Menu (Menu code 1600) 55
2.9.2 Print Report (Menu code 1610) 55
2.9.3 Scale Sales Report (Menu code 1611) 55
2.9.4 PLU Report (Menu code 1612) 55
2.9.5 Miscellaneous PLU Report (Menu code 1613) 56
2.9.6 Group Report (Menu code 1614) 56
2.9.7 Deptment Report (Menu code 1615) 56
2.9.8 Hourly Report (Menu code 1616) 57
2.9.9 Clear All Report (Menu code 1650) 57
2.10 Communicaation 58
2.10.1 Communication (Menu code 1900) 58
2.10.2 Network Setting (Menu code 1910) 59
2.10.3 DHCP (Menu code 1912) 59
2.10.4 IP (Menu code 1913) 60
2.10.5 RS232C Setting (Menu code 1915) 60
3. SALES OPERATION 61
3.1 Basic Operation 61
3.2 Zero 61

3.3 Tare 61
3.3.1 Manual Tare Entry 62
3.3.2 Weighed Tare Entry 62
3.3.3 How to Clear Tare 63
3.3.4 Preset Tare 63
3.3.5 Successive Tare 63
3.3.6 Tare Override 64
3.4 Calling Up a PLU 65
3.4.1 Using Numeric Key 65
3.4.2 Using Speed Key 65
3.5 Override (FOR key) 66
3.5.1 By-Weight PLU 66
3.5.2 By-Count PLU 67
3.5.3 By-PCS PLU 68
3.6 Sales Operation 69
3.6.1 Weighed Item Operation 69
3.6.2 By Count Item 70
3.6.3 By PCS Item 71
3.7 Add-Up Transaction 72
3.8 Void 74
3.9 Return 75
3.10 Prepack Key 76
3.11 Direct Discount 77
3.11.1 % Discount Price Key 77
4. Appendix 78
4.1 Label Format (TO DO : change) 78
4.2 Label Format Sample 82
4.3 Label Field 83
4.3.1 Item Label Field (TODO : change) 83
4.4 ASCII Code Table 84
4.5 Window Character Set Information 85

1. GENERAL

1.1 PRECAUTIONS

Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

⚠ Warning		
Do not disassemble the scale. When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.	Do not overload beyond the maximum weight limit. 	Scale must be grounded to minimize electricity static. This will minimize defect or electric shock.
Do not pull the plug by its cord when unplugging. Damaged cord could cause electric shock or fire. 	To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.	To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition. 
Avoid placing the scale near heater or in direct sunlight. 	Insert plug firmly to wall outlet to prevent electric shock. 	Use proper Adapter. Incorrect adapter could damage the scale.

Make sure to plug your scale into the proper power outlet. For maximum performance, plug into a power outlet 30 minutes before the usage for warm up.

⚠ Attention

For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.

Avoid sudden shock to the scale. Internal mechanism could be damaged.

Grab on the bottom of the scale when moving. Do not hold by the platter.

Take the battery out when scale is not in use for long time. Leakage from the batteries is hazardous.

Place the scale on firm and temperature consistent environment.

By adjusting 4 corners of the scale, set the scale even using the built in scale leveling indicator.

Keep the scale away from other electromagnetic generating devices. This may interfere with accurate reading.

※ This equipment is indoor use and all the communication wirings are limited to inside of the building.

1.2 INTRODUCTIONS

Thank you for purchasing the CAS CL5000J price computing electronic printing scale. We have designed this equipment with many advanced features, high quality construction, and user-friendly menu driven programming. We are confident that you will find the CAS CL5000J scale will meet all of your most demanding needs.

Remember, for proper installation and maintenance please have your Authorized CAS Dealer do the primary installation, programming, and demonstration. Your CAS Authorized Dealer also has a wide variety of supplies, accessories, and expansion options for whatever your new and increasing demands may require. Authorized CAS dealers are trained to help you with every aspect of the CL5000J and should you need servicing, they are expertly trained by CAS to assist you with virtually any problem.

1.3 SPECIFICATIONS

Max. Capacity	3/6 kg	6/15 kg	15/30 kg	
Interval	1/2 g	2/5 g	5/10 g	
Max. Tare	- 2.999 kg	- 5.998 kg	- 9.995 kg	
A/D Conversion Rate	Approx. 8 times/sec.			
Measurement Type	Load Cell			
Platter Size	380 x 244 mm			

Key	Standard Type (B)	48 PLU key, 36 function key	Pole Type(P,R)	72 PLU key, 36 function key
Speed Key		96 PLU		144 PLU
Display	VFD			
	Preset Tare : 4 digit Weight : 5 digit Unit Price : 6 digit Total Price : 6 digit			

Printer	Speed 75 mm/sec.
Printing Resolution	202 dpi
Label Size	Width: 40mm~60 mm Length: 30mm~80 mm
Barcode Type	EAN13, I2OF5, CODE128C
Font	Small, Middle, Large Size, Free Format, Italic, Bold, Underline, Through Line, Double through line, Reverse, shadow, outline
Printer Type	DIRECT THERMAL PRINT
Operating Temp.	-10° C~ 40° C (14° F~ 104° F)
Power	AC 100~240V 50/60Hz 1.5A

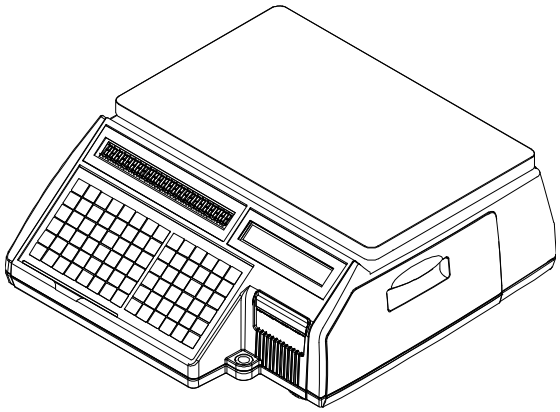
		Number	Range
Programmable Data	PLU	6000	1-999999
	direct ingredients 300 chracter	1000	PLU
	Indirect Ingredient 400 character	100	1~100
	User Defined Barcode Format	20	1~20
	Department	99	1~99
	Origin	500	1~500
	Group	99	1~99
	Bitmap Image	5	1~5
	Quantity Symbol	8	1~8
	Report		
	Tare Table	99	1~99
	Label Format	30	1~30
		10	51~60

Sales Period	user selectable reporting period.
Sales Report Mode	Read & Reset

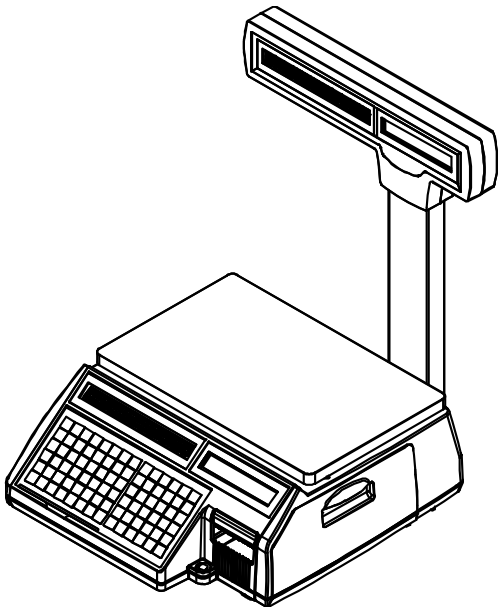
Note: Specifications are subject to change without notice.

1.4 NAME AND FUNCTIONS

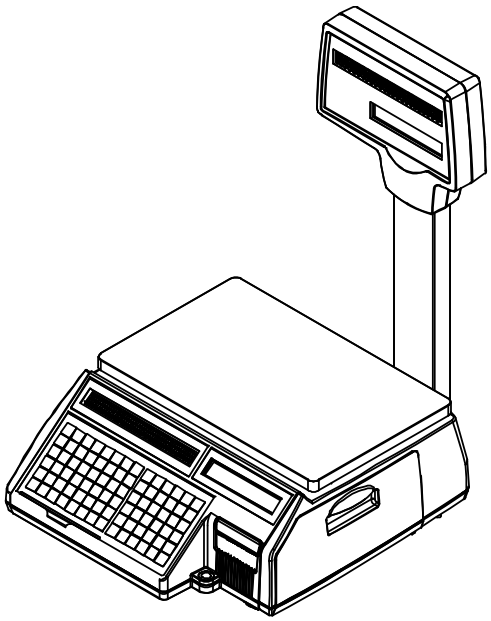
■ Standard Type



■ Pole Type P



■ Pole Type R

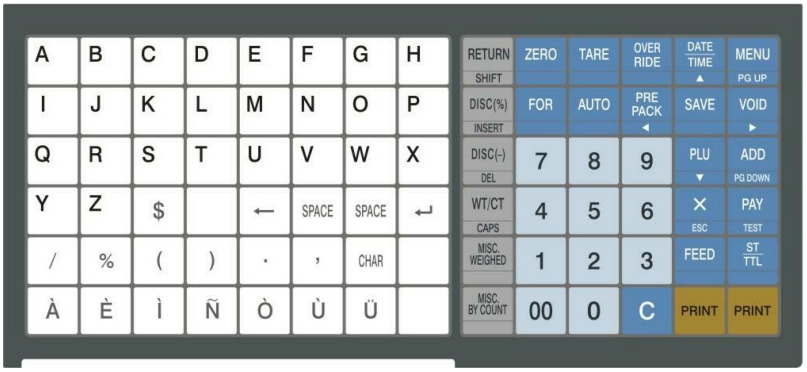


DISPLAY

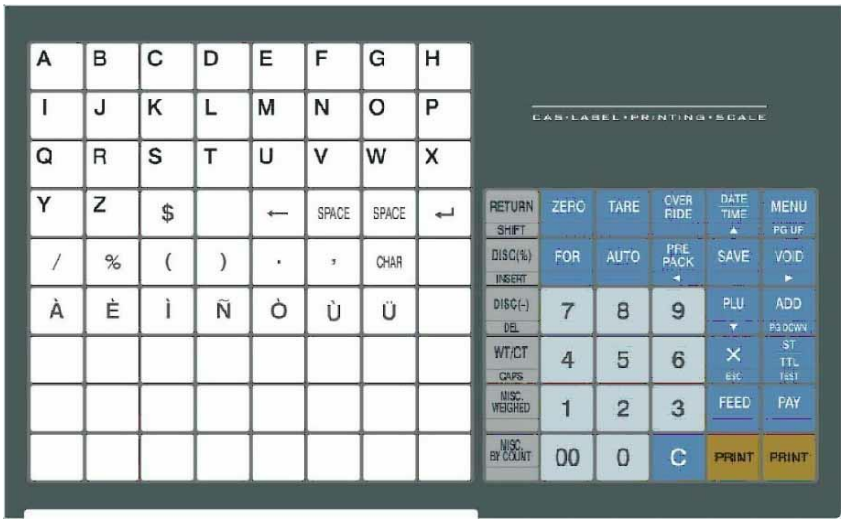
TO DO : Insert Picture

KEYBOARD

B-Type (Standard)

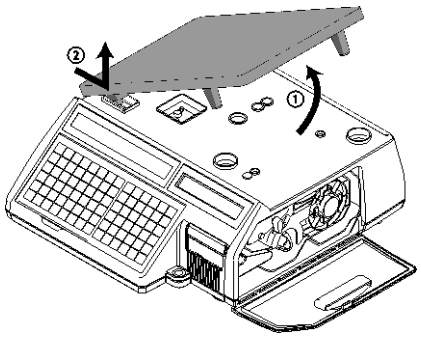


P Type, R-Type (pole type)



1.5 Basic set-up

How to install tray



B,P,R type

1.6 SYMBOLS

SYMBOLS	DESCRIPTION
ST (▼)	**Stable indicator**
▶0◀	**Zero weight indicator**
NET (▼)	**Net weight indicator**
AUTO	**Auto Print Mode indicator**
SAVE	**Auto clearing status indicator**
PREPACK	**Prepack Mode indicator**
DC (▼)	**Discount status indicator**
SHIFT (▼)	**Speed key shift status indicator**
TR	**Data transmission status indicator**

1.7 KEY FUNCTIONS

KEYS	FUNCTIONS
0 ~ 9	Numeric keys. Used to enter pricing, qty, count, tare, etc.
00	Double zero key
C	Clear key. Used to clear erroneous entries and error conditions.
ZERO	Re-Zero key. Use to remove small variations in the scale's zero.
TARE	Tare key. Use to manually enter and remove tare weights.
OVER RIDE	Override key. For temporary price change entry.
DATE /TIME ▲	Date & Time key. Toggles the display between time, date, scale number and department number.
MENU PG UP	MENU key. This key toggles from program menu to sale mode. Page up key: CL5000 only
FOR	For key. Use this key for by- count or by pcs pricing: 3 @ 3 FOR $1.00. It toggles between the QTY, PIECE, and PRICE fields.

AUTO	AUTO key. Auto-print mode
PRE PACK ◀	Pre-Pack key. Used to enter Pre-Packaging mode in which the scale Auto-prints for every transaction and prevents the auto clearing of data.
SAVE	Save key. Save mode prevents the auto clearing of any called-up data like tare weight, PLU pricing, etc.
VOID ▶	Void key. To remove erroneous sales from ADD-Up
PLU ▼	When you type a PLU number and press this key, it calls-up that PLU.
ADD PG DOWN	ADD-Up key. This key when used in conjunction with ST/TTL key allows you print a customer-total label as well as individual transaction labels. Page Down key. CL5000 only
X ESC	Multi-Label key. Use this key to print multiple sales of the same transaction. Escape key. It is used to exit in program mode.
ST TTL	Subtotal / Total key. Used with the ADD key in order to print customer-totals.
FEED	Feed key. Use this key to feed labels or paper through printer
PAY TEST	Pay key. Use this key to calculate change. Test key.
PRINT	Print key. Used to manually print transactions and also serves as an ENTER key.
RETURN SHIFT	Return key. Used to credit sales for erroneous transactions or returns. Shift Key. Used to SHIFT function in program Mode
DISC% INSERT	Discount % key. Used to discount price. Insert key: CL5000 only
WT/CT CAPS	WT/CT key. Toggles between Weight PLU and Count PLU. CAPS Key: Used to type a small letter in program mode.
MISC. By WEIGHT	Miscellaneous By-Weight PLU key.
MISC. BY COUNT	Miscellaneous By-Count PLU key.

DISC-DEL	Negative Discount DELETE key. CL5000 only
A ~ Z	Alpha keys. Used to type text data.
$	Used to type $
Currency	For future
←	Backspace key. Used to backspace and delete text data.
SPACE	Space bar.
↵	Used to go to next line to enter text
/ ~ Ü	Special symbol keys.
CHAR	Used to type special symbol. (See ASCII code table on page 192)

Note : X key is only used in sale mode and **ESC** key is only used in program mode.

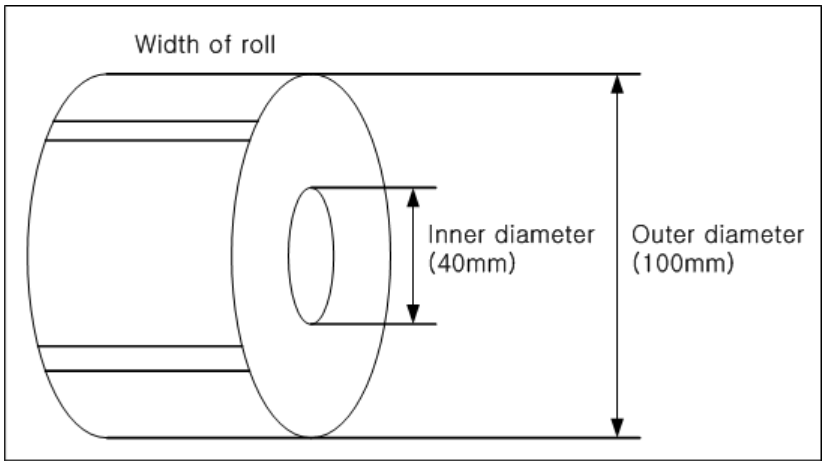
Sale mode : **X** key

Program mode : **ESC** key

1.8 Installation of the Label Roll

■Label Specifications

Outer diameter of roll : 100mm
Inner diameter of roll : 40mm
Width of receipt roll : 40, 50, 60mm
Width of label roll : 60mm(MAX)

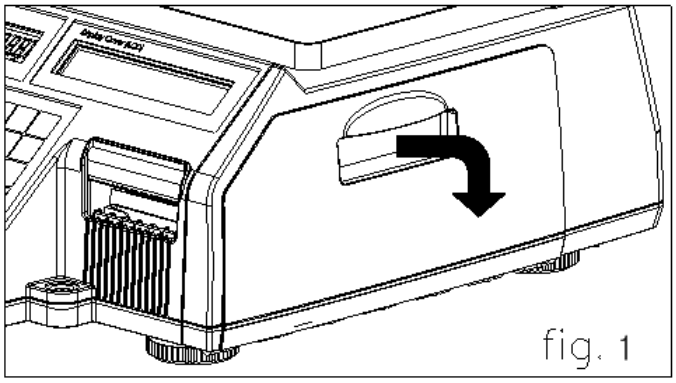


■ Print Area

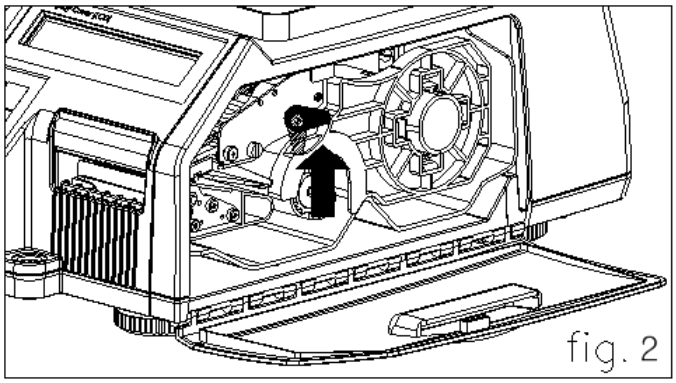
Width of label : 60mm(MAX)
Length of label : 80mm(MAX)

To install the label roll at ANY time you must follow the directions in this section:

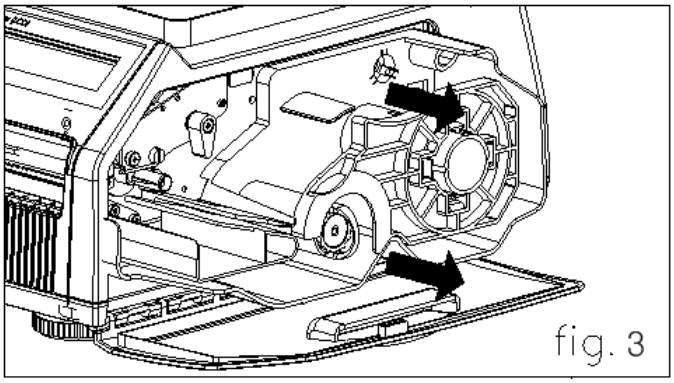
1) Press the **ON/OFF** key and make sure that the display is completely off. Open the printer's side-access panel. (See fig.1)



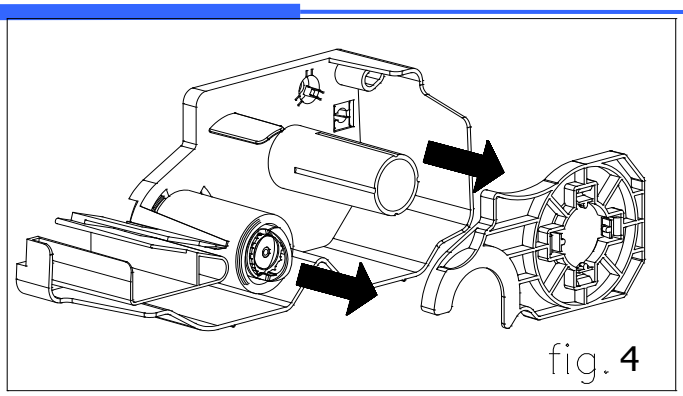
2) Lift up TPH lever as fig 2.



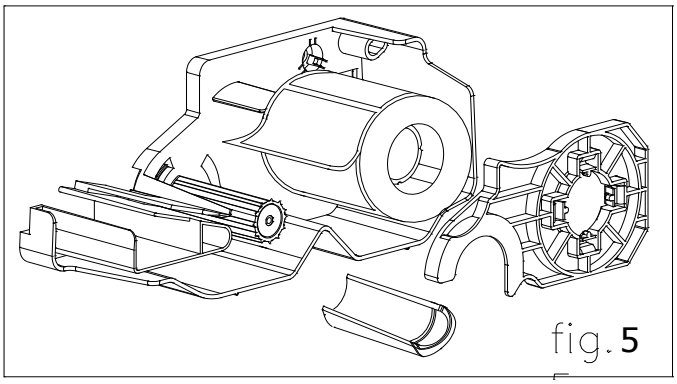
3) Remove cartridge as fig. 3.



4) Remove Pick-Up Spool assembly and paper guide from the cartridge as fig. 4.



5) Place the label in the scale as fig. 5



6) Press the FEED key.

*If label position is not correct, you have to check follows :

a, Label size.(Label setting menu)
b. Feed Adjustment .(Feed adjustment menu)
c. Sensor calibration(Sensor Calibration menu)

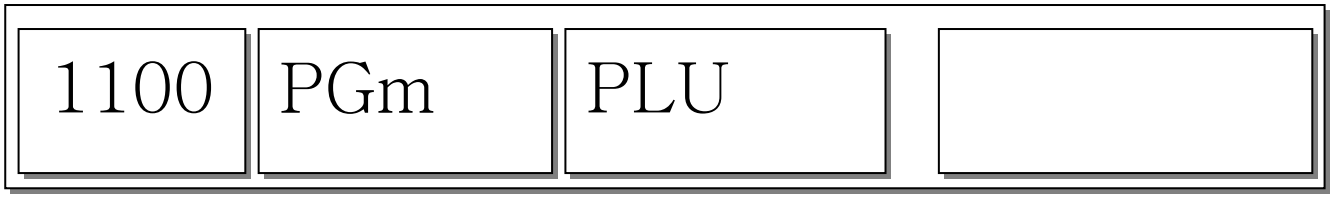
2. PROGRAMMING

Program Mode Menu Tree (Menu code : 1000)

CODE	Menu	CODE	Sub Menu	CODE	Sub Menu
1100	PLU	1120	New/Edit		
		1150	LIST		
		1144	Expand		
		1160	Speed Key		
1200	PLU Table1	1240	Sales Message		
		1250	Origin		
		1260	Barcode		
		1270	Tare		
		1280	Unit Symbol		
1300	PLU Table2	1310	Message		
1400	Store Data Table	1410	Store		
1500	Global Setting	1510	Label Format		
		1520	Barcode		
1600	Report	1610	Report Print	1611	Scale
				1612	PLU
				1613	Misc. PLU
				1614	Group
				1615	Department
				1616	Hourly
		1650	Clear All		
1700	Printing	1710	Print Label Item		
		1730	H/W Setting	1732	Label Size
				1733	Sensor Calibration
				1734	Peel Sensor
				1735	Print Intensity
				1736	Adjust Feed Length
				1737	Label Preprint
				1738	Initialize Printer
1800	Scale Config	1830	Department/Store/speed key number		
		1840	Date/Time		
		1852	Change Password		
		1860	Test	1861	Display
				1862	A/D
				1863	Keypad
				1864	Chess Printer
				1865	Printer Sensor
		1870	Scale Parameter		
		1890	Clear Memory	1891	PLU
				1892	Table1
				1893	Table2
				1894	All

1900	**Communication**	**1910**	**Network Setting**	**1912**	**DHCP**
				1913	**IP**
				1915	**RS232C Baudrate**

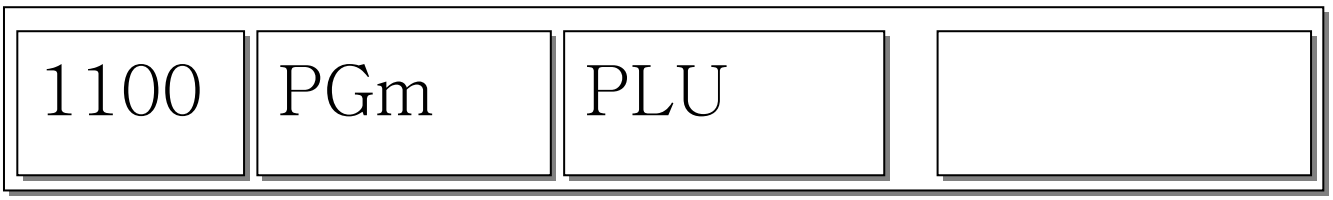
- How to access PROGRAM MODE
  You can see the Program Menu screen by pressing the MENU key.



You can use both keys, DATE-TIME/▲ and PLU/▼ to move other menu. Once you choose a suitable menu, press PRINT key to execute program.

NOTE: Refer to the function keys avaiable program and calibration menu.

Program and Calibration Menu, Function Key	Description
DATE-TIME/▲, PLU/▼	Selects a different menu
PRINT	Executes command or selects the submenu
X/ESC	Exits the Menu



Digit 1100 indicates Menu code. You should press PRINT key at prior menu to see sub menu screen as below.

2.1 PLU Programming

You can set 20 items for a PLU as below table and if you want to use expanded items(21~28), you can enable those items in menu code:1144.

< PLU ITEM>

No	Item	Description
	Department No	(1~99) Department No.
	PLU No	(1~999999) PLU No.
1	PLU Type	Select PLU type among By Weight(1), By Count(2) or By-PCS(3)
2	Name 1	Enter name 1 of item. Maximum 40 characters.
3	Name 2	Enter name 2 of item. Maximum 40 characters.
4	Name 3	Enter name 3 of item. Maximum 5 characters.
5	Group No.	Select group number. This value can be from 0 to 99.
6	Item code	(0~999999) Item code
7	Use Fixed Price Type	You can set wheter use Fixed Price or not
8	(Unit) Price	This value can be from 0 to 999999.
9	※Tare	You can enter tare weight manually. (By-weight PLU)
10	Packed Date	(0~999) This is added to the current date in order to be calculated.
11	Packed Time	(0~99) If you set it to 0, it is not printed
12	Sell-by Date	(0~999) This is expirations date that is numbered in days and added to the Packed On date in order to be calculated. If you set it to 0, it is not printed
13	Sell-by Time	(0~99) If you set it to 0, it is not printed
14	Ingredients No.	(0~100) Enter indirect ingredient no. If direct indiredient is none, this indirect ingredient number is refered
15	Ingredients Text.	Direct ingredient text (Direct means PLU directly include ingredient text)
16	Label No.	(0~30,51~60) If it is not Setted, Label Formats are fixed by Grobal setting.
17	Barcode No.	(0~20) If it is not Setted, Label Formats are fixed by Grobal setting.
18	Produced Date	(0~999) This is subtracted to the current date in order to be calculated.
19	Sales Msg No.	(0~100) Enter sales message No.
20	☆ Quantity Symbol ID	(0~8) Set symbol of PCS or Count

21	※ Unit Weight	Unit weight of Price (default 0 : unit price for 1kg)
22	Tare No	You can enter No. of tare data.
23	☆ Pieces	(0-99) Set the number for By-PCS PLU
24	Origin No.	(0~500) 0=Do not use origin.
25	Aux. Label No.	(0~99) (0=Do not use Label No.), This function prints aux. label as saved number of label number
26	Barcode2 No.	This value can be from 0 to 20
27	Special Price	It can be unit price by using Special key. (for future use)
28	※ Fixed Weight	The weight is fixed regardless of item

※ These items are only for By- Weight PLU.

☆ These items are only for By Count or By PCS PLU.

2.1.1 Create By-Weight PLU (Menu code 1120)

<New/Edit PLU : MENU -> PLU -> New/Edit>

* You can press the **SAVE** key at anytime to save the current PLU data and if you want to exit without saving, press the **ESC** key.

1. Enter Department No. and PLU No.

* Department should be set previously

EX) Department No. = [1] Default
PLU No. : [1]

1120	PLU	dEPtno	1

1120	PLU	PLU no	1

1 PRINT 1 PRINT

2. Select PLU 1 Type

1. By Weight
2. By Count
3. By PCS

1120	PLU 1	tyPE	1

EX) BY-Weight Item

By-Weight PLUs are priced as *price-per-weight;* for example, $3.99/lb or $1.99/kg. You must weigh these PLUs before you can execute a sales transaction

1 PRINT

3. Enter PLU 2 First Name

EX) "BEEF"

1120	PLU 2	L1-005	bEEF

B **E** **E** **F** **PRINT**

4. Enter PLU 3 2nd Name

EX) "Sirloin"

1120	PLU 3	L2-007	SirLoin

S **Shift** **i** **r** **l** **O** **i** **n** **PRINT**

5. Enter PLU 4 3rd Name

EX) "STEAK"

1120	PLU 4	L3-003	STEAK

S **T** **E** **A** **K** **PRINT**

6. Select Group

* If there is no group for this PLU, enter "0"

EX) 1. Meat

1120	PLU 5	GroUP	1

1 **PRINT**

7. Item Code

EX) Item Code = 1941

1120	PLU 6	iCodE	1941

1 **9** **4** **1** **PRINT**

8. Use Fixed Price Type

The Price of an item is fixed.

* If you do not want to use, enter 0.

EX) Do not use Fixed Weight

1120	PLU 7	FiXEdP	0

0 **PRINT**

9. Price

EX) Price = $10.00

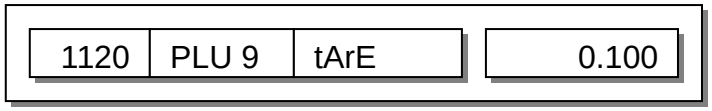
1120	PLU 8	UnitP	10.00

1 **0** **0** **0** **PRINT**

10. Tare

* You can use Tare Table,

EX) Tare Value = 100 g



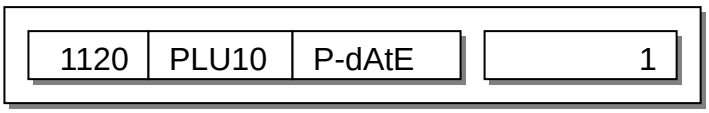
1 **0** **0** **PRINT**

11. Packed Date

* This value can be from 0 to 999.

EX) 0 : Today 1 : Tomorrow

2: Tomorrow +1

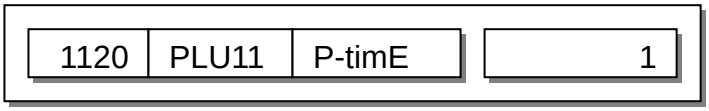


1 **PRINT**

12. Packed Time

Current time + up to 99 hrs

EX) +1 hour



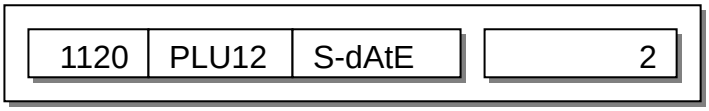
1 **PRINT**

13. Sell By Date

* This value can be from 0 to 999.

EX) 0 : Do not print 1 : Packed date

2 : Packed date + 1

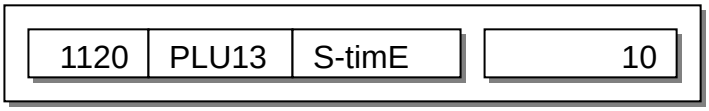


2 **PRINT**

14. Sell By Time

* This value can be from 0 to 99.

EX) 0 : Do not print 1 : Packed date+ 1hour

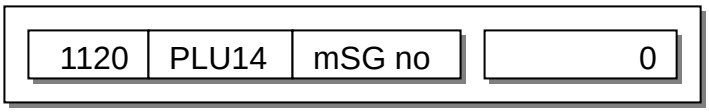


1 **0** **PRINT**

15. Ingredient(Message) No

* If you do not want to use, enter "0"

EX) 0 : Do not use indirect ingredient (use direct ingredient)

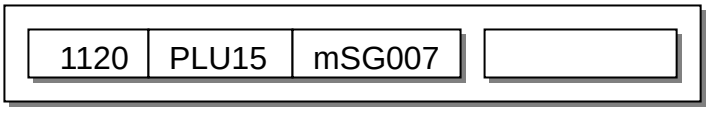


0 **PRINT**

16. Ingredient Text

If you want to use direct Ingredient meseage,

type character.



17. Select Label Format

* If you enter "0", standard label format (menu code 1510) is used.
* For details about label format, refer to 8. Setting Global option

EX) 1. IS6030-0000(60x30)

1 **PRINT**

1120	PLU16	LAbEL	1

18. Barcode No.

* You can use barcode ID depending on the setting of Menu code 1520

EX) Barcode Data Table 1

1 **PRINT**

1120	PLU17	bAr	1

19. Produced Date

EX)) 0 : Do not print 1 : Today

2 : Yesterday

1 **PRINT**

1120	PLU18	PddAtE	1

20. Sales Msg No.

* If you do not want to use, enter "0"

EX) Sales Message 1

1 **PRINT**

1120	PLU19	SmSG	1

21. Qty Unit No.

* If you do not want to use, enter "0"

This field does not work to By-Weight PLU.

0 **PRINT**

1120	PLU20	SymboL	0

22. Unit Weight

It set the Unit Weight of Price.
Default 0 : Price per 1kg

0 **PRINT**

1120	PLU21	Unitw	0

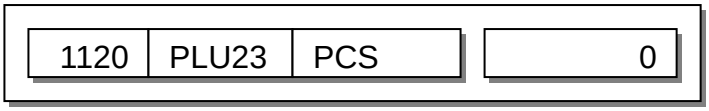
23. Tare No.

0 **PRINT**

1120	PLU22	tArEno	0

24. Pieces

* If you do not want to use, enter "0"
This field does not work to By-Weight PLU

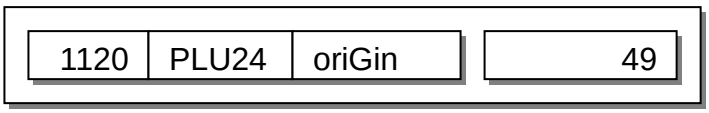


0 **PRINT**

25. Origin No

* If you do not want to use origin, enter "0"

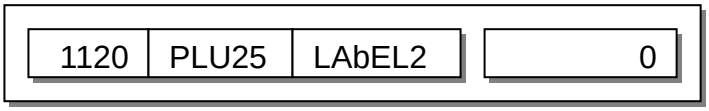
EX) 49. China



4 **9** **PRINT**

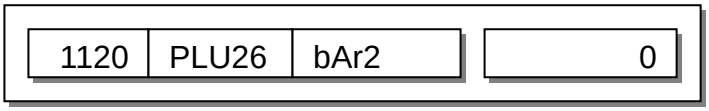
26. Aux Label No

It is a Number of another Label.



PRINT

27. Barcode2 No



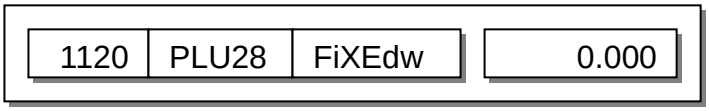
0 **PRINT**

28. Special Price (For future use)

PRINT

29. Fixed Weight

The weight of an item is fixed.
* If you do not want to use, enter 0.

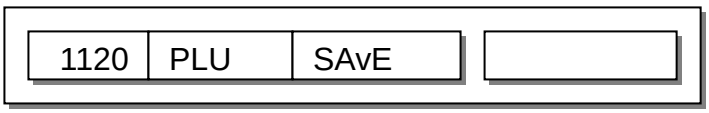


PRINT

13. SAVE PLU

* It's same function as pressing "SAVE".

EX)

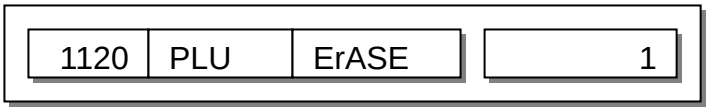


PRINT

14. ERASE PLU

* Delate selected PLU.

EX)



PRINT

2.1.2 Create By-Count PLU (Menu code 1120)

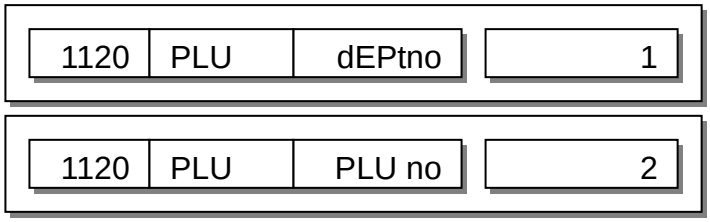
(MENU -> PLU -> New/Edit)

* You can press the **SAVE** key at anytime to save the current PLU data and if you want to exit without saving, press the **ESC** key.

1. Enter Department No. and PLU No.

* Department should be set previously

EX) Department No. = [1] Default
PLU No. : [2]

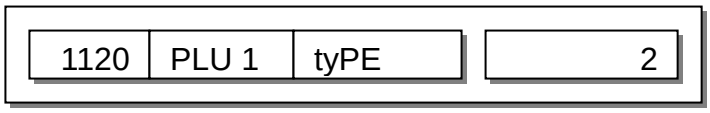


1 PRINT 2 PRINT

2. Select PLU 1 Type

1. By Weight
2. By Count
3. By PCS

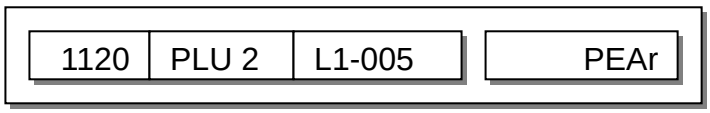
EX BY-Count Item



2 PRINT

3. Enter PLU 2 First Name

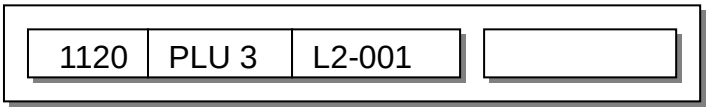
EX) "BEEF"



P E A R PRINT

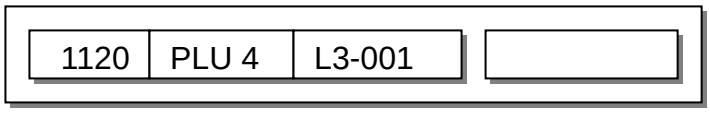
4. Enter PLU 3 2nd Name

EX) Do not use name 2



5. Enter PLU 4 3rd Name

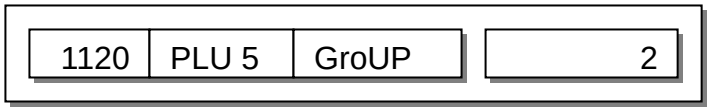
EX) Do not use name 3



6. Select Group

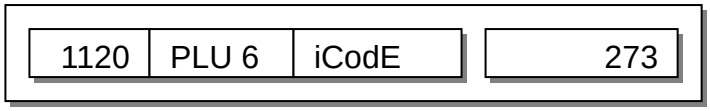
* If there is no group data, enter 0

EX) 2. Fruit



2 PRINT

7. Item Code

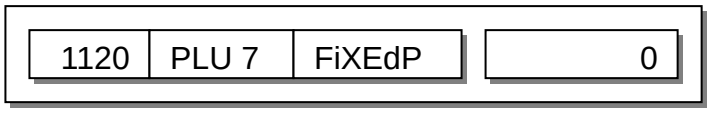


EX) Item Code = 273

2 **7** **3** **PRINT**

8. Use Fixed Price Type

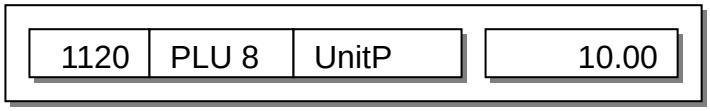
The Price of an item is fixed.
* If you do not want to use, enter 0.



EX) Fixed Price Type

0 **PRINT**

9. Price

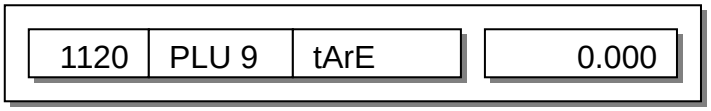


EX) Price = $10.00

1 **0** **0** **0** **PRINT**

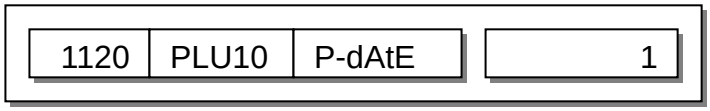
10. Tare

* If you do not want to use, enter "0"
This field does not work to By-Count PLU.



PRINT

11. Packed Date



* This value can be from 0 to 999.

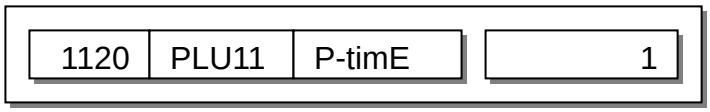
EX) 0 : Today 1 : Tomorrow

2: Tomorrow +1

1 **PRINT**

12. Packed Time

Current time + up to 99 hrs

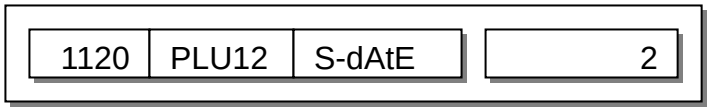


EX) +1 hour

1 **PRINT**

13. Sell By Date

* This value can be from 0 to 9999.



EX) 0 : Do not print 1 : Packed date

2 : Packed date + 1

2 **PRINT**

14. Sell By Time

* This value can be from 0 to 99.

EX) 0 : Do not print 1 : Packed date+ 1hour

1120	PLU13	S-timE	10

1 **0** **PRINT**

15. Ingredient No

* If you do not want to use, enter "0"

EX) Do not use indirect ingredient (use direct ingredient)

1120	PLU14	mSG no	0

0 **PRINT**

16. Ingredient Text

If you want to use direct Ingredient meseage,

type character.

1120	PLU15	mSG001	

17. Select Label Format

* If you enter "0", standard label format (menu code 1510) is used.
* For details about label format, refer to 8. Setting Global option

EX) 1. IS6030-0000(60x30)

1120	PLU16	LAbEL	1

1 **PRINT**

18. Barcode No.

* You can use barcode ID depending on the setting of Menu code 1520

EX) Barcode Data Table 1

1120	PLU17	bAr	1

1 **PRINT**

19. Produced Date

1120	PLU18	PddAtE	1

1 **PRINT**

20. Sales Msg No.

* If you do not want to use, enter "0"

EX) Sales Message 1

1120	PLU19	SmSG	1

1 **PRINT**

21. Qty Unit No.

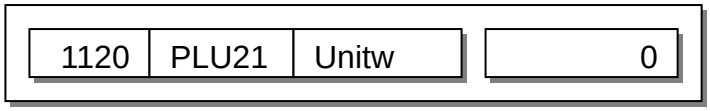
EX) Qty Unit No. 6

1120	PLU20	SymboL	6

6 **PRINT**

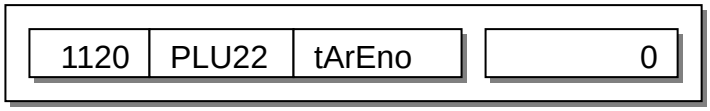
22. Unit Weight

* If you do not want to use, enter "0"
This field does not work to By-Count PLU.



0 **PRINT**

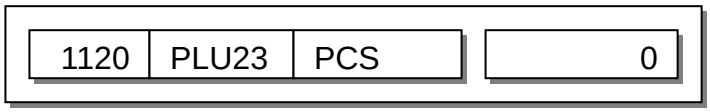
23. Tare No.



0 **PRINT**

24. Pieces

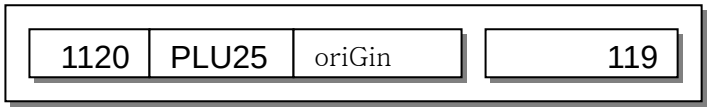
* If you do not want to use, enter "0"
This field work to By-PCS PLU.



0 **PRINT**

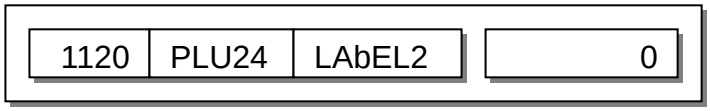
25. . Origin No

* If you do not want to use origin, enter 0
EX) 119. Korea



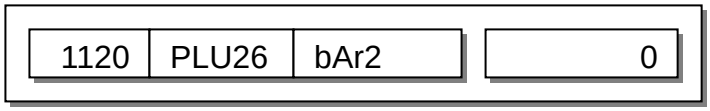
1 **1** **9** **PRINT**

26. Aux Label No



PRINT

27. Barcode2 No



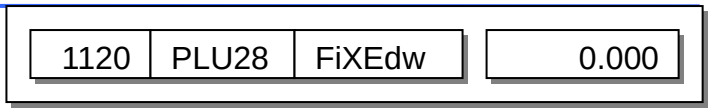
0 **PRINT**

28. Special Price (For future use)

PRINT

29. Fixed Weight

* If you do not want to use, enter "0"
This field does not work to By-Count PLU.

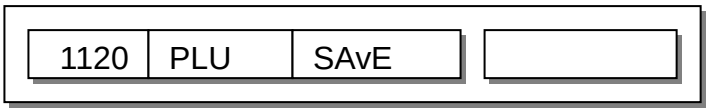


PRINT

13. SAVE PLU

* It's same function as pressing "SAVE".

EX)

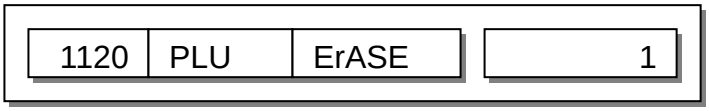


PRINT

14. ERASE PLU

* Delate selected PLU.

EX)



PRINT

2.1.3 Create By-PCS PLU (Menu code 1120)

(MENU -> PLU -> New/Edit)

By-PCS PLU is used depending on the Para 593.

* You can press the **SAVE** key at anytime to save the current PLU data and if you want to exit without saving, press the **ESC** key.

1. Enter Department No. and PLU No.

* Department should be set previously

EX) Department No. = [1] Default
PLU No. : [3]

1120	PLU	dEPtno	1

1120	PLU	PLU no	3

1 PRINT 3 PRINT

2. Select PLU 1 Type

1. By Weight
2. By Count
3. By PCS

1120	PLU 1	tyPE	3

EX) BY-PCS Item

3 PRINT

3. Enter PLU 2 First Name

EX) "BEEF"

.

1120	PLU 2	L1-005	CAKE

C A K E PRINT

4. Enter PLU 3 2nd Name

EX) Do not use name 2

1120	PLU 3	L2-001	

5. Enter PLU 4 3rd Name

EX) Do not use name 3

1120	PLU 4	L3-001	

6. Select Group

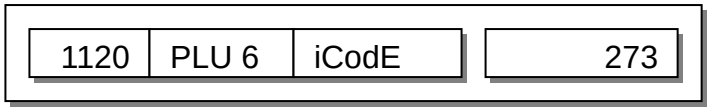
* If there is no group data, enter 0

EX) 2. Fruit

1120	PLU 5	GroUP	2

2 PRINT

7. Item Code

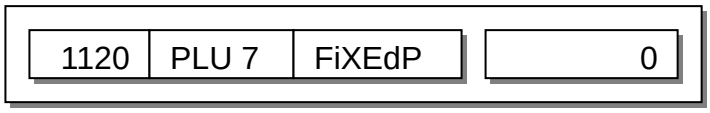


EX) Item Code = 273

2 **7** **3** **PRINT**

8. Use Fixed Price Type

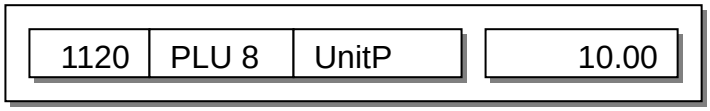
The Price of an item is fixed.
* If you do not want to use, enter 0.



EX) Fixed Price Type

0 **PRINT**

9. Price

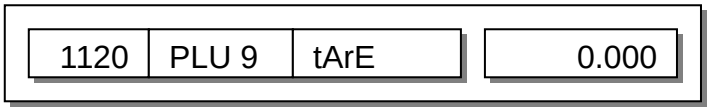


EX) Price = $10.00

1 **0** **0** **0** **PRINT**

10. Tare

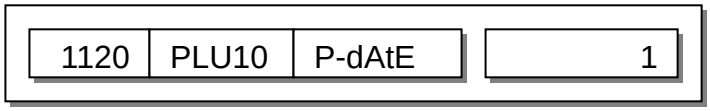
* If you do not want to use, enter "0"
This field does not work to By-PCS PLU.



PRINT

11. Packed Date

* This value can be from 0 to 999.



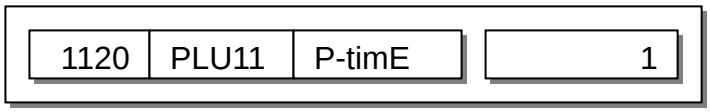
EX) 0 : Today 1 : Tomorrow

2: Tomorrow +1

1 **PRINT**

12. Packed Time

Current time + up to 99 hrs

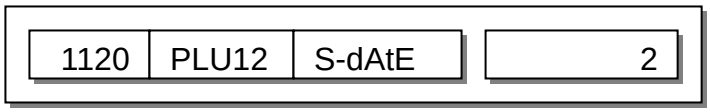


EX) +1 hour

1 **PRINT**

13. Sell By Date

* This value can be from 0 to 9999.



EX) 0 : Do not print 1 : Packed date

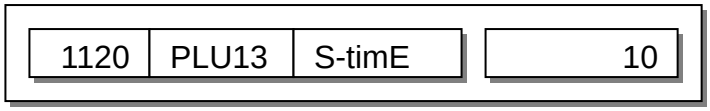
2 : Packed date + 1

2 **PRINT**

14. Sell By Time

* This value can be from 0 to 99.

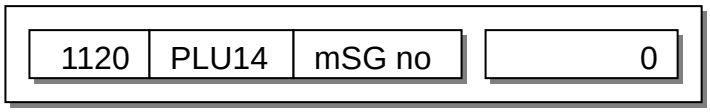
EX) 0 : Do not print 1 : Packed date+ 1hour



15. Ingredient No

* If you do not want to use, enter "0"

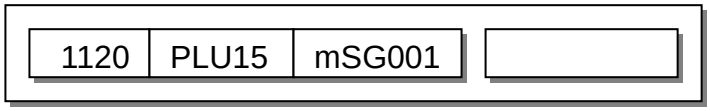
EX) Do not use ingredient (use direct ingredient)



16. Ingredient Text

If you want to use direct Ingredient meseage,

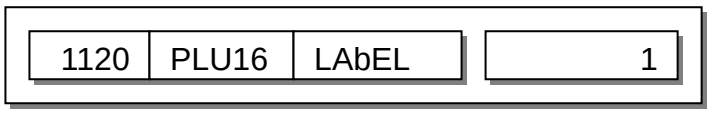
type character.



17. Select Label Format

* If you enter "0", standard label format (menu code 1510) is used.
* For details about label format, refer to 8. Setting Global option

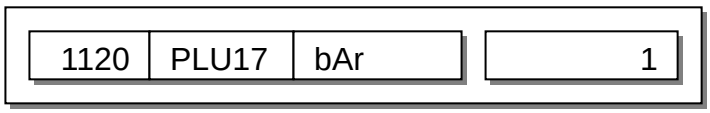
EX) 1. IS6030-0000(60x30)



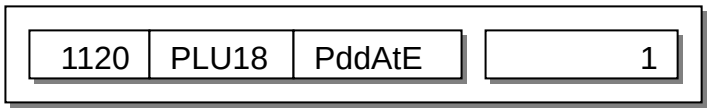
18. Barcode No.

* You can use barcode ID depending on the setting of Menu code 1520

EX) Barcode Data Table 1



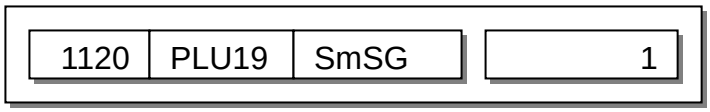
19. Produced Date



20. Sales Msg No.

* If you do not want to use, enter "0"

EX) Sales Message 1



21. **Qty Unit No.**

EX) Qty Unit No. 6

1120	PLU20	SymboL	6

6 **PRINT**

22. Unit Weight

* If you do not want to use, enter "0"
This field does not work to By-PCS PLU.

1120	PLU21	Unitw	0

0 **PRINT**

23. Tare No.

1120	PLU22	tArEno	0

0 **PRINT**

24. Pieces

* If you enter "0", it is regarded as 1.

EX) 10 piece

1120	PLU23	PCS	10

1 **0** **PRINT**

25. . Origin No

* If you do not want to use origin, enter 0

EX) 119. Korea

1120	PLU25	oriGin	119

1 **1** **9** **PRINT**

26. Aux Label No

1120	PLU24	LAbEL2	0

PRINT

27. Barcode2 No

1120	PLU26	bAr2	0

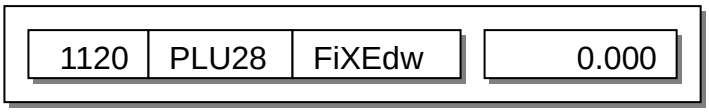
0 **PRINT**

28. Special Price (For future use)

PRINT

29. Fixed Weight

* If you do not want to use, enter "0"
This field does not work to By-PCS PLU.

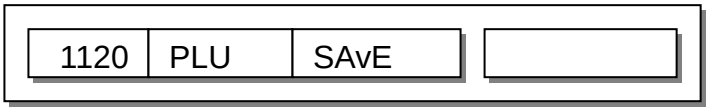


PRINT

13. SAVE PLU

* It's same function as pressing "SAVE".

EX)

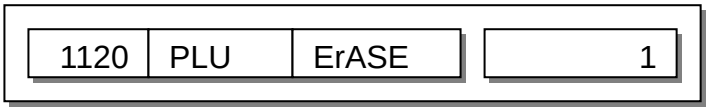


PRINT

14. ERASE PLU

* Delate selected PLU.

EX)



PRINT

2.1.4 Editing PLU (Menu code 1120)

(MENU -> PLU -> New/Edit)

* You can edit PLU as PLU creating and you can press the **SAVE** key at anytime to save the current PLU data and if you want to exit without saving, press the **ESC** key.

2.1.5 Expand PLU (Menu code 1144)

(MENU -> PLU -> List)

* If you select "YES", you will have 28 field of PLU.
  But if you select "No", you will have only 20 field of PLU

2.1.6 Listing PLU (Menu code 1150)

(MENU -> PLU -> List)

1. Enter Department No.

* Enter department number that you wish to see

EX) Department No. 1

1 **PRINT**

1150	LiSt	dEPtno	1

2. Enter PLU Range

EX) PLU 1~10 (start : 1, end : 10)

1 **PRINT**

1150	LiSt	StArt	1

1 **0** **PRINT**

1150	LiSt	End	10

1150	LiSt	SEArCH	

Scale print PLU labels in this range.

2.2. Programming PLU Data Table I

2.2.1 New/Edit Sales Message (Menu code 1240)

(MENU -> PLU Data Table I -> Sales Message)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Message Number

Message number is available 1 to 99

1240	SmSG	no	1

EX) Message No. = 1

1 PRINT

2. Enter Message

1240	SmSG	CH-008	An yoU

EX) Message = THANK YOU

T H A N K SPACE Y O U PRINT

3. Save Message

1240	SmSG	SAvE	

If you want to save & exit, press "Print" key.

PRINT

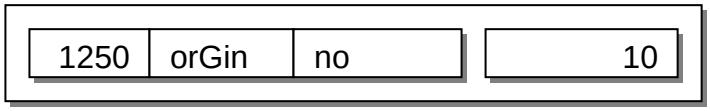
2.2.2 Origin (Menu code 1250)

(MENU -> PLU Data Table I -> Origin)

You can use origin number when you create PLU.

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Origin No.
Origin number is available 1 to 500

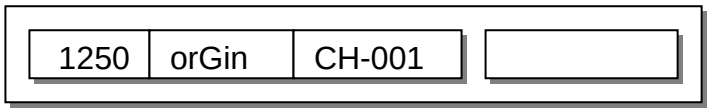


EX) Origin No = 10

1 0 PRINT

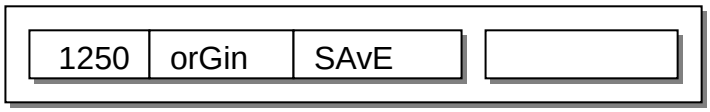
2. Enter Origin

EX) Origin = KOREA



K O R E A PRINT

3. Save Menu



If you want to save, press "PRINT" key.

PRINT

2.2.3 Barcode (Menu code 1260)

(MENU -> PLU Data Table I -> Barcode)

You can use barcode when you create PLU.

Barcode can be changed depending on the Global setting of barcode.

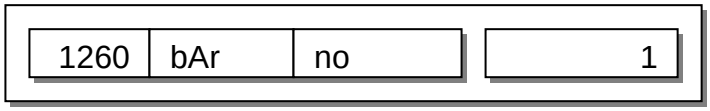
※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Barcode No.

This value can be from 1 to 99.

EX) Barcode No = 1

1 PRINT

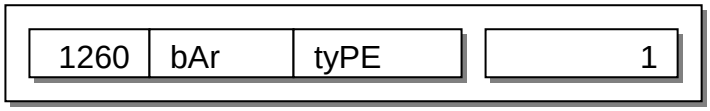


2. Barcode Type

* See below table.

EX) Barcode Type = 1. EAN-13

1 PRINT



■ Type of Barcode

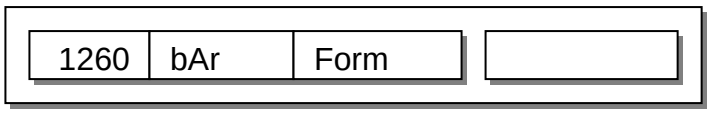
No.	Type	Description
1	EAN-13	13digit
4	I20F5	2~24 digit
9	CODE128C	2~24 digit

3. Enter Barcode Form

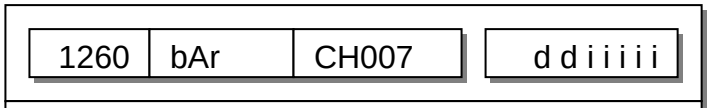
You can select from a list of Barcode types or you can create your own custom format

* Refer to below table.

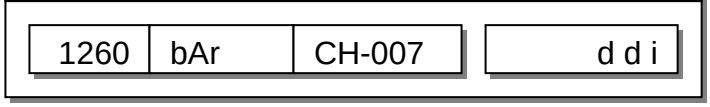
EX) Barcode Form = 1. Change DDIIIIIPPPPPC to GGIIIIIVPPPPC



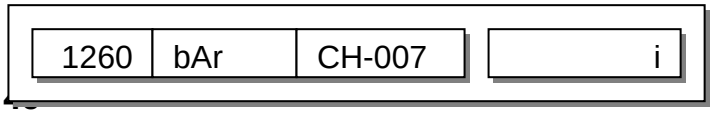
PRINT Press "PRINT".



PRE PACK ◀ Press ◀ 4 times then Display that



← Press Backspace key.



G	G	PRINT

1260	bAr	CH-007	G G i

■ Barcode format symbol

No	Symbol	Description
1	I	item code
2	N	PLU number
3	P	price
4	V	price check digit (It is created automatically)
5	U	unit price
6	W	weight
7	Q	quantity
8	D	department
9	G	group
10	C	total barcode check sum (It is created automatically)
11	B	transaction counter (serial number)

4. Save Menu

1260	bAr	SAvE	

If you want to save, press "PRINT" key.

PRINT

2.2.4 Tare (Menu code 1270)

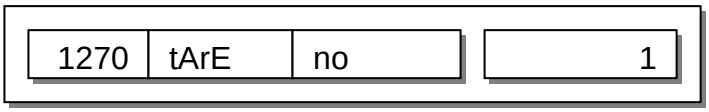
(MENU -> PLU Data Table I -> Tare)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter Tare No.

This value can be from 1 to 99.

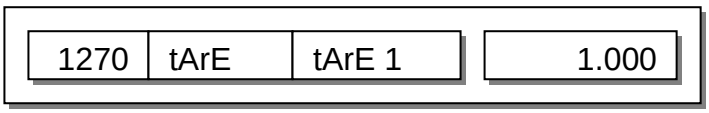
EX) Tare No. = 1



1 PRINT

2. Tare Weight

EX) Tare weight = 1.000 (kg), Numeric Tare



1 0 0 0 PRINT

3. Exit Menu

If you want to exit, press "ESC" key.

X ESC

2.2.5 List Unit Symbol (Menu code 1280)

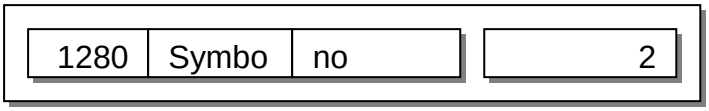
(MENU -> PLU Data Table I -> Unit Symbol)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter unit number

This value can be from 1 to 8.

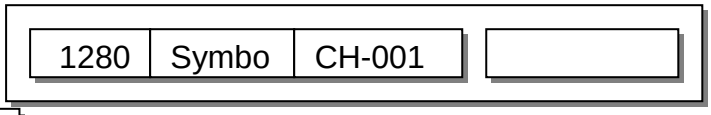
EX) Qty Unit No. = 2



2 PRINT

2. Enter unit symbol

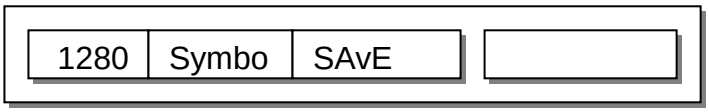
EX) Symbol = TH



CHAR 9 9 **PRINT**

※ If you want to enter special symbol, press the CHAR key and enter the code value. (See **ASCII code table** on chapter 4.4)

3. Save Menu



If you want to save, press "PRINT" key.

PRINT

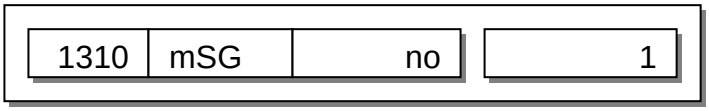
2.3 Programming PLU Data Table II

2.3.1 Ingredient (Menu code 1310)

(MENU -> PLU Data Table II -> Message)

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

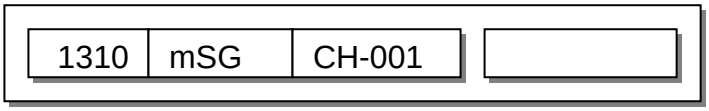
1. Enter ingredient number.
This value can be from 1 to 100.



EX) Ingredient number = 1

1 PRINT

2. Enter ingredient



EX) Ingredient Line1 = SALT

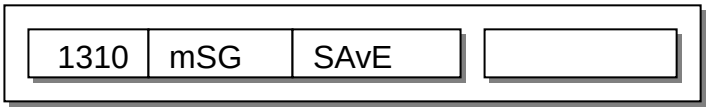
Ingredient Line 2 = SUGAR

To print "SUGAR" on next line, enter "↵" after "SALT" .

S A L T ↵

S U G A R PRINT

3. Save Menu



If you want to save, press "PRINT" key.

PRINT

4. Exit Menu
If you want to exit, press "ESC" key.

X ESC

2.4 Speed Key Setting

This menu is to set "speed keys", one-touch keys, for most frequently used PLUs to simply call up them. You can program up to 5 speed key set. Remember that there is a **SHIFT** key that allows you to double-use the Speed Keys. The Speed keys are numbered left-to-right and top-to-bottom.

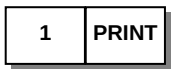
☞ **User can not assign the function key as speed keys.**

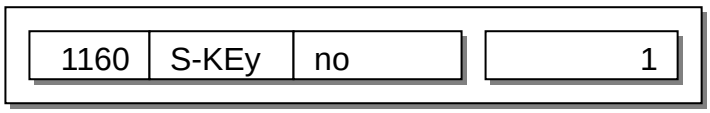
2.4.1 Speed Key (Menu code 1160)

(MENU -> PLU -> Speed Key)

1. Speed Key Set No.
Enter speed key set no

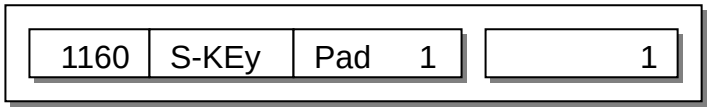
EX) Speed key set No. = 1





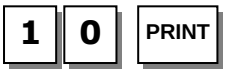
2. Select KEY PAD.
Push the Key Pad . to assign speed key

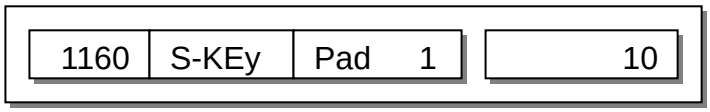
EX1) Using "A" button



2. PLU No.
Enter PLU no. to assign speed key
* PLU should be belong to scale's department.

EX1) PLU 10 = BEEF





3. Exit Menu
If you want to exit, press "ESC" key.

2.5 Programming Store Data

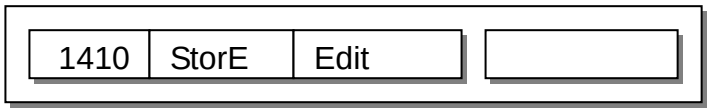
This chapter explains how to access, program STORE data table (Price Look Up) in CL5000J series.

2.5.1 Store Data (Menu code 1410)

(MENU -> Store Data Table ->Store)

This section shows how to create, edit, list and delete store, customer, and advertisement message data.

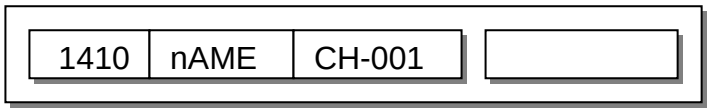
1.Enter the Store Name Edit menu.



PRINT

2.Select the number and write the name.

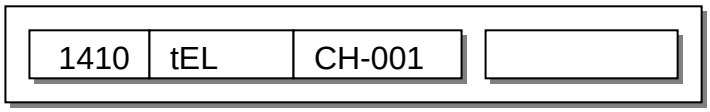
EX) NAME=YANGJOO



Y A N G J O O PRINT

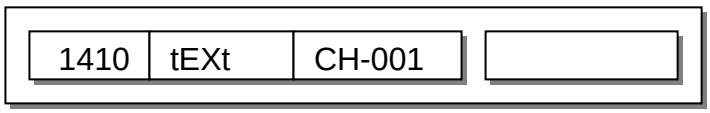
3.Write the Telephone Number.

EX) NAME=YANGJOO

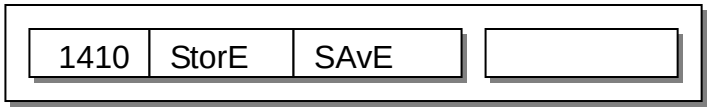


2 2 2 . 3 5 0 PRINT

4. Write the Text.



5. Save Menu



If you want to save, press "PRINT" key.

PRINT

3. Exit Menu

If you want to exit, press "ESC" key.

X ESC

2.6 Programming Global Setting

2.6.1 Global Label Format (Menu code 1510)

(MENU -> Global Setting -> Label Format)

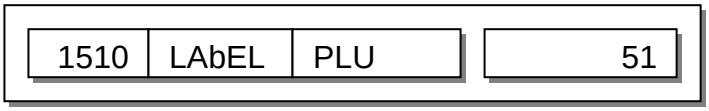
Label format #51~#60 are free formats that users may modify at their needs. Users may download one into the scale and set a specific free label format.

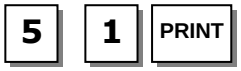
※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Set Global label No.

Set PLU label number

EX) PLU Label No. = 51

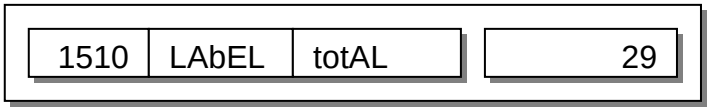




2. Set Total label No.

Set PLU label number

EX) PLU Label No. = 29 (default)

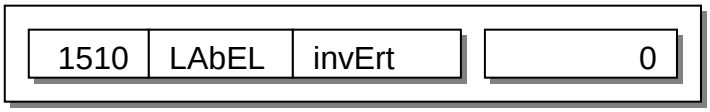


3. Set Invert(Reverse) label

Set PLU label number

EX) Non-Invert = 0

Invert = 1



4. Exit menu

If you want to exit, press "ESC" key.

2.6.2 Barcode Format (Menu code 1520)

(MENU -> Global Setting -> Barcode)

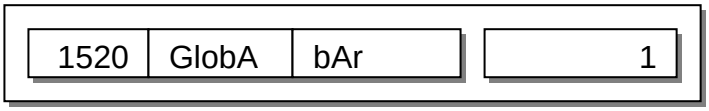
Global Barcode Setting provides all-in-one barcode setting by selecting nine different barcode options so that user does not need to save data for individual PLUs one by one. All related barcode data are selected and saved from PLU barcode data table user may already register.

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Set Global barcode No.

Set PLU label number

EX) PLU Barcode No. = 1



2. Exit menu

If you want to exit, press "ESC" key.

2.7 Printing Programming

This chapter explains how to set printing-related environments.

2.7.1 Printing (Menu code 1700)

(MENU -> Print)

■ PRINT Submenu

No.	Submenus	Description
1	Select Label Item	Select item(s) which is(are) not printed on label.
3	Print Hardware	Set the label type and sensor of printer

2.7.2 Inhibit(Select) Printing Items(Menu code 1710)

(MENU -> Print -> ITEM)

If you set any of the items to 0, then they will NOT print on any labels regardless of the label format.

※ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

If you do not want to print, enter 0(Reset),
if you want to print, enter 1(Set).

No	Description
1	Serial Number
2	Packed Date
3	Packed Time
4	Sell By Date
5	Sell By Time
6	Store Name / Telephone Number / Text
7	PLU Number

2.7.3 Printer Hardware (Menu code 1730)

(MENU -> Print -> Printer Hardware)

This section is to explain how to set printing H/W environments in the following table.

▶ Printer Hardware Sub-Menu

No.	Sub-menus	Description
1	Label Size	Lable mode **"Height(40)** * ( ) are default value.
2	Sensor Calibration	You can mearsure "Gap" & "Peel" . And print out them. Also you can test Sensor & Motor.
3	Sensor & Motor	Setting Peel-off sensor.
4	Print Intensity	Set the extent of intensity of label printed.
5	Adjust Feed Length	Set adjusting values of feed length. This value can be from "0" to "400"
6	Label Pre-print	You can set preprint length.
7	Printer Initialize	You can reset printer.

2.7.4 Label Size (Menu code 1732)

(MENU -> Print -> Printer Hardware -> Label Size)

You can input "Height" of label manually. (30~80mm)

2.7.5 Sensor Calibration (Menu code 1733)

(MENU -> Print -> Printer Hardware -> Sensor Calibration)

This mode will automatically feed the label several times to calculate the measurement.

The average data of "Gap" & "Peel" are pronted out, and displayed on screen.

2.7.6 Sensor & Motor (Menu code 1734)

(MENU -> Print -> Printer Hardware -> Sensor & Motor)

(Calibration MENU -> Printer Hardware -> Peel)

You can select [Y], [N] for "ACTIVE PEEL-OFF"

2.7.7 Print Intensity (Menu code 1735)

(MENU -> Print -> Printer Hardware -> Print Intensity)

You can enter any value from "0" to "4" set the tension of label.

The 2 is default value.

2.7.8 Adjust Feed Length (Menu code 1736)

(MENU -> Print -> Printer Hardware -> Adjust Feed Length)

User may enter any value of the feed alignment from "0" to "400".

You can adjust the printing position detail with this menu.

* 1pixel = 0.125mm , 8pixel = 1mm Ex) Value "+80" will feed 10mm more

Value "-40" will feed 5mm less

2.7.9 Label Preprint (Menu code 1737)

(MENU -> Print -> Printer Hardware -> Label Preprint)

User may select Preprint mode and any value of the preprint length from "0" to "10".

It controls the length that label is pushed out.

2.7.10 Printer Initialize (Menu code 1738)

(MENU -> Print -> Printer Hardware -> Printer Initialize)

Initialize printer setting.

2.8 Programming Scale Configuration

2.8.1 Department (Menu code 1830)

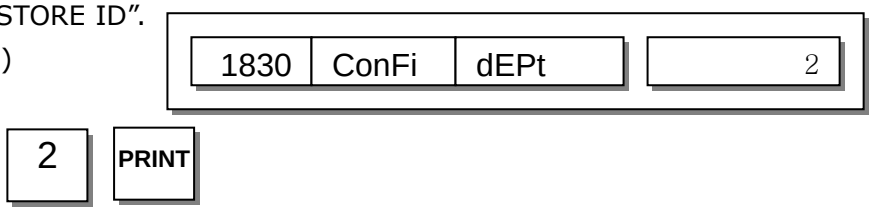
(MENU -> Scale Config -> Department)

This section shows how to select current department where scale is being used. User can use (call up) PLUs only for current department selected in sales mode.

For example, if current department selected is 2(GROCERY) user can call up items registered only in 2(GROCERY) department. If user would like to use PLUs registered in other department than current department he/she should change scale's department setting.

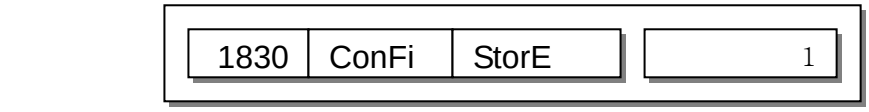
Store No. represents Store Name (or branch number) on label printed.

1. Select "DEPARTMENT No." and "STORE ID".
EX) DEPARTMENT No.= 2 (Grocery)



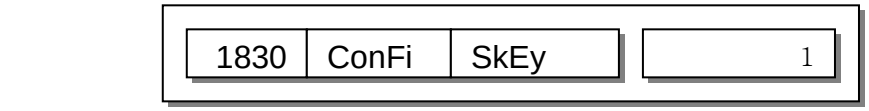
2 PRINT

2. STORE No.= 1 (Branch #1)



1 PRINT

3. Write the Speed Key Set Number



1 PRINT

2.8.2 Date & Time (Menu code 1840)

(MENU -> Scale Config -> Date/Time)

This section is to set scale's DATE & TIME appropriately.

You can use PRE PACK ◀ VOID ▶ PRINT SAVE and number pad.

Year

2.8.3 Change Password (Menu code 1852)

(MENU-> Scale Config ->Change Password)

2.8.4 Display Test (Menu code 1861)

(MENU -> SCALE CONFIG -> Test -> Display)

To test the display, press "PRINT" on Test menu screen. It automatically tests it. User may exit from testing, using "X/ESC" key.

2.8.5 A/D Test (Menu code 1862)

(MENU -> SCALE CONFIG -> Test -> 2. A/D)

To test the A/D, press "PRINT" on Test menu

To set zero press "ZERO"

User may exit from this menu, using "X/ESC" key

2.8.6 Keyboard Test (Menu code 1863)

(MENU -> SCALE CONFIG -> Test -> Keybord)

To test keyboard, press "PRINT" on Test menu screen.

To exit keyboard test, press "ESC" two times.

2.8.7 Chess Printer Test (Menu code 1864)

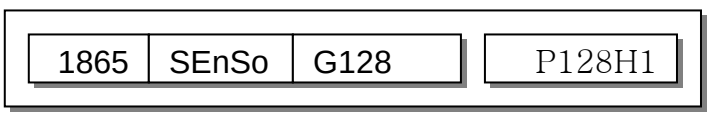
(MENU -> SCALE CONFIG -> Test -> Chess Print)

Press "PRINT" key to test printing a label.
User may exit from this menu, using "X/ESC" key.

2.8.8 Printer Sensor Test (Menu code 1865)

(MENU -> SCALE CONFIG -> Test -> Printer Sensor)

User may exit from this menu, using "X/ESC" key.



2.8.8 Scale Parameter (Menu code 1870)

(MENU -> Scale Config ->.Scale Parameter)

You can set scale's environment by changing Parameter Values.

But you must be careful how you deal it.
The Parameters are concerned with Factory Settimg.
So your missing might raise some problems.

2.8.9 Clear Memory (Menu code 1890)

(MENU -> Scale Config -> Clear Memory)

2.8.9.1 Clear PLU (Menu code 1891)

(MENU -> Scale Config -> Clear Memory -> PLU)

Clear all PLU data. This time discount data is will be cleared.

1891	CLEAr	PLU	

2.8.9.2 Clear Table1 (Menu code 1892)

(MENU -> Scale Config -> Clear Memory -> Table1)

Clear all Table1 date(Except PLU/discount data).

1892	CLEAr	tAbLE1	

2.8.9.3 Clear Table2 (Menu code 1893)

(MENU -> Scale Config -> Clear Memory -> Table2)

Clear all Table2 date(Except PLU/discount data).

1893	CLEAr	tAbLE2	

2.8.9.3 Clear ALL (Menu code 1894)

(MENU -> Scale Config -> Clear Memory -> Table2)

1894	CLEAr	ALL	

NOTE: Clear PLU, Table1, Table2 and Shop data
Symbols and Speed key is initialized

2.9 Report

2.9.1 Report Menu (Menu code 1600)

(MENU -> Report)

No.	Submenus	Description
1	Report Print	Print and display sales data
2	Clear All	Clear all reports of period 1 and 2

2.9.2 Print Report (Menu code 1610)

(MENU -> Report -> Print Report)

There are 3 detailed reports.

No.	Submenu	Description
1	Scale	Print and display scale sales report
2	PLU	Print and display PLU sales report
3	Misc. PLU	Print and display misc. PLU sales report
4	Group	Print and display group sales report
5	Department	Print and display department sales report
6	Hourly	Print and display hourly sales report

2.9.3 Scale Sales Report (Menu code 1611)

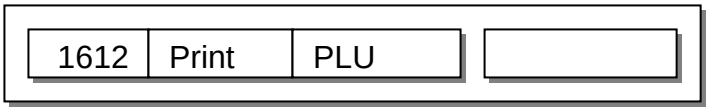
(MENU -> Report -> Print Report -> Scale)

Menu code 1611 print out all information of sales. It includes total count, total price,amount of prepack price, etc.

2.9.4 PLU Report (Menu code 1612)

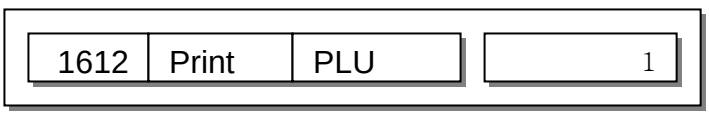
(MENU -> Report -> Print Report -> PLU Report)

Press "Print" key PLU report menu screen.



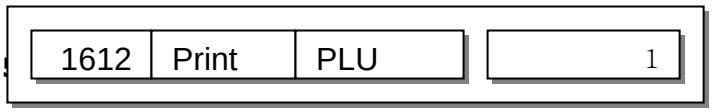
PRINT

Enter the number of Deprment and Press "Print" key.



1 PRINT

Enter the number of PLU and Press "Print" key.



1 PRINT

This menu print out information of each PLU data.

2.9.5 Miscellaneous PLU Report (Menu code 1613)

(MENU -> Report -> Print Report -> MISC. PLU)

Menu code 1613 print out rest information of sales. It maybe includes some price that didn't saved in PLU. So our direct sales price will be printed.

2.9.6 Group Report (Menu code 1614)

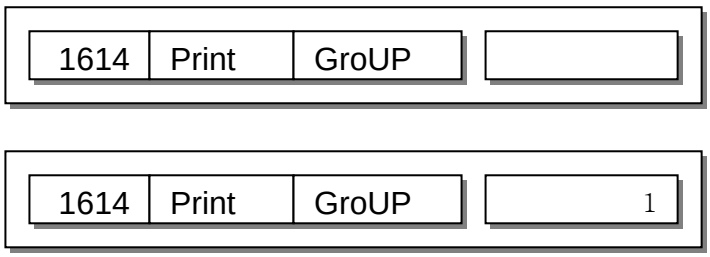
(MENU -> Report -> Print Report -> Group)

Press "Print" key PLU report menu screen.

PRINT

Enter the number of Group and
Press "Print" key.

1 PRINT



This menu print out information of each PLU Group data.

2.9.7 Deptment Report (Menu code 1615)

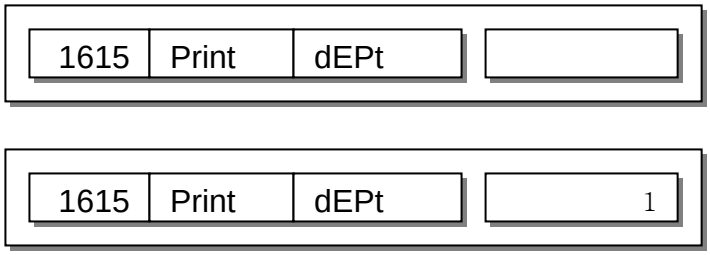
(MENU -> Report -> Print Report -> Department)

Press "Print" key PLU report menu screen.

PRINT

Enter the number of Department and
Press "Print" key.

1 PRINT

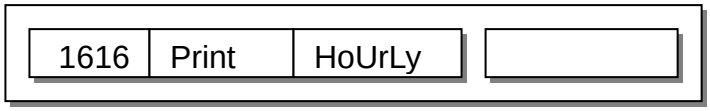


This menu print out information of each Department data.

2.9.8 Hourly Report (Menu code 1616)

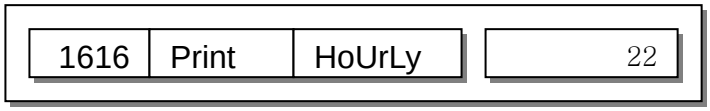
(MENU -> Report -> Print Report -> Department)

Press "Print" key PLU report menu screen.



PRINT

Enter the number of Hours and
Press "Print" key.



22 PRINT

This menu print out information of each data within a day periode of time.

2.9.9 Clear All Report (Menu code 1650)

(MENU -> Report -> Clear All)

You can delete all of report. If you delete all, then scale will create new report data. When you print out report later, updated report will be printed.

2.10 Communicaation

2.10.1 Communication (Menu code 1900)
(MENU* -> Communication*)

1. Feature

You can control scale with PC or any computing environment such as, data table up/down loading, deleting.

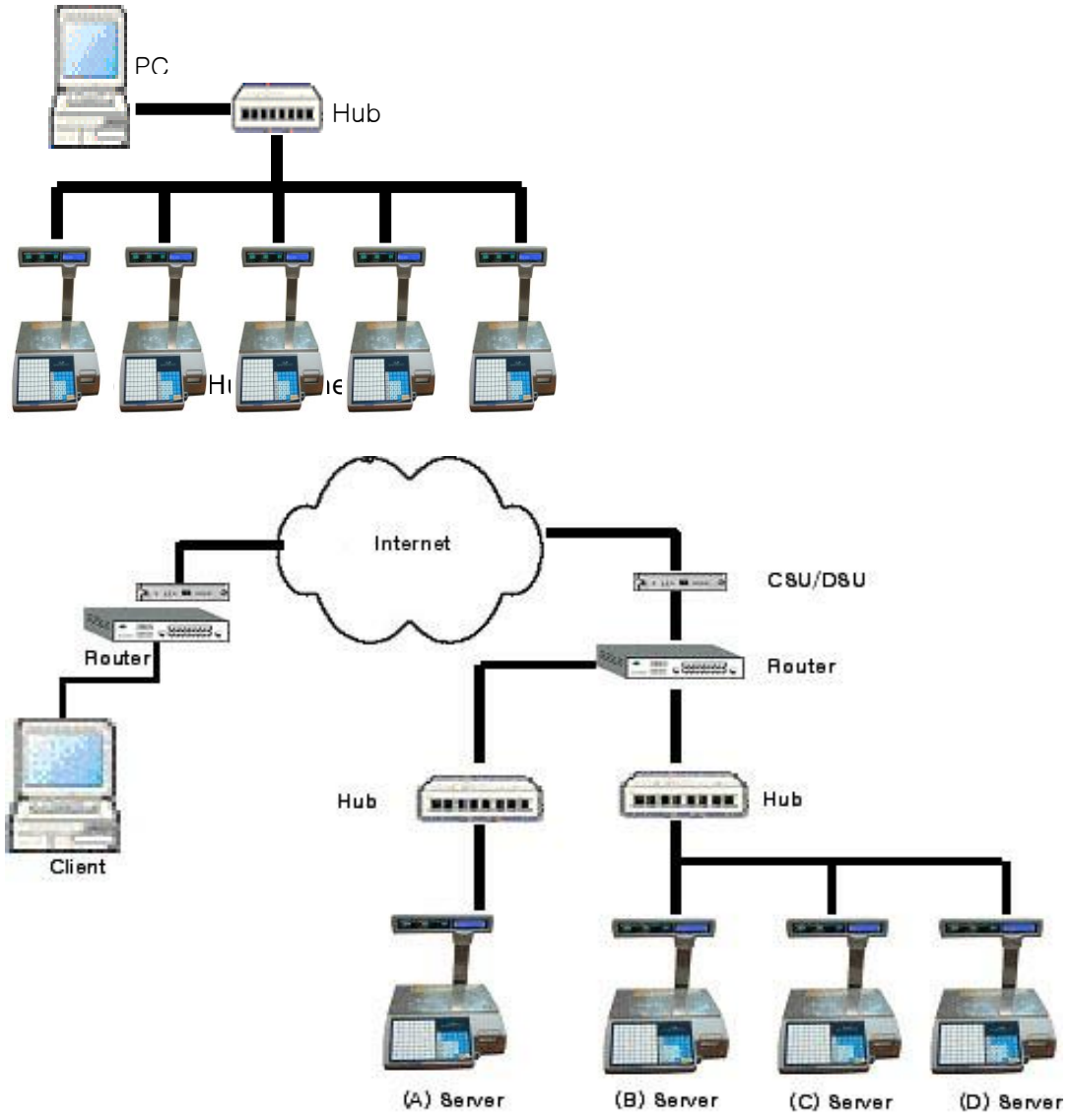
2. Pre-caution

Set each Scale ID different (for individual scale management)

Especially for report feature in CL-Works needs individual scale ID to locate report data.

3. Communication concept diagram

Following picture describes how to set-up the network between scale and PC



(Internet communication with PC and Scale)

If you know the scales IP address and register into PC, you can access scale individually or all together to monitor report and update PLUs.

NOTE: If you have set HUB (Bridge, Repeater, etc...) use PC manager to search correspond scales

For setting figure 1, 2 network setup; you must input individual IP address for connection test.

Figure 3 can access scale via internet; when you know the scale IP address you can access scale like any other network scale.

4. Before setting the network

- Each scale needs fixed IP address.
- Do not use DHCP without prior notice to CAS. If so CL-Works will not able to retract the right scale because access IP address will change constantly.
- You need to assign proper IP, Gateway, Subnet Mask address from webmaster.

  NOTE: These 3 elements are basic information to operate internet / intranet.

  Please get prior training on internet network; otherwise recommend get advice from network personals.
- You can set scale up to 99 for PC control networking.

2.10.2 Network Setting (Menu code 1910)

(MENU -> **Communication** ->*Network Setting)*

No.	Submenus	Description
1	DHCP	Dynamic Host Configuration Protocol
2	IP	Setup IP add, subnet, gateway and Port Number..
3	RS232C	Setting of the b-rate.

2.10.3 DHCP (Menu code 1912)

(MENU -> **Communication** ->*Network Setting->DHCP)*

Setting Dynamic Host Configuration Protocol

This mode for Automatic Private IP Addressing.

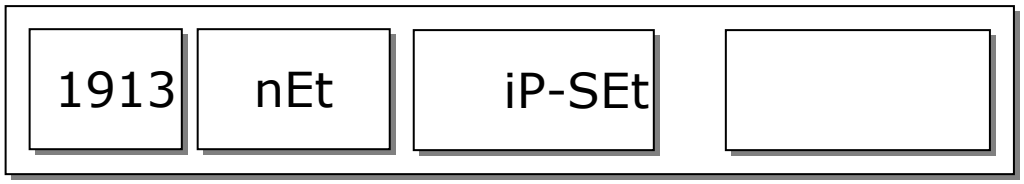
Your network has stable DHCP sever, It is very useful mode.

Change setting with DATE /TIME ▲ VOID ▶ keys.

2.10.4 IP (Menu code 1913)

(MENU -> Communication ->Network Setting->IP)

Setting IP and Port



1. 2. Set IP address and Port

Scale need to have own TCP/IP
NOTE: Recommend to get this information from authorized network personals

If scale does not connected to internet or any other
POS system, you can set initial IP address (192.168.1.1)
and Gateway (192.168.1.1),
Subnet Mask (255.255.255.0)

If connecting only 2 scale just set different IP address.
Therefore set #1 for 192.168.1.1, and other 192.168.1.2
Set Gateway 192.168.1.1
Leave Port as factory setting.

2.10.5 RS232C Setting (Menu code 1915)

(MENU -> Communication ->Network Setting->B-RATE)

No.	Baud Rate
0	9600
1	19200
2	38400
3	57600
4	115200

3. SALES OPERATION

3.1 Basic Operation

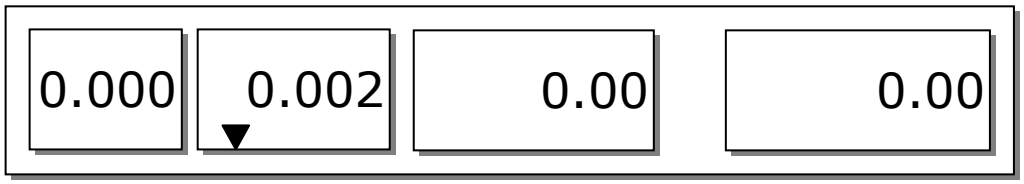
This chapter explains basic operation of scale, such as how to set zero, tare, call up a PLU and override unit price in CL5000J series. In order to make sales transaction user should access REGISTRATION mode.

■ How to access REGISTRATION MODE: Turn ON the scale.

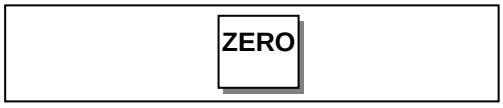
3.2 Zero

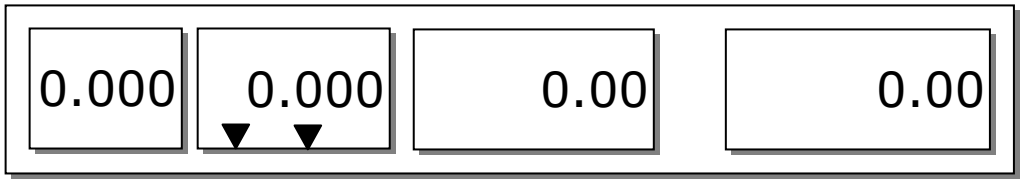
You can use the **ZERO** key to correct for a deviation from zero as long as there are no PLUs or MISC PLUs called-up. The weight can sometimes drift from zero due to debris on the platter, leaving objects on the platter for excessive periods of time, or other environmental factors. To correct this, remove everything from the platter and press the **ZERO** key when the stable indicator "▼" is on. Below is a possible zero drifted state that should be corrected by simply pressing the **ZERO** key.

① EX) Initial weight displayed => 0.002.



② Press "ZERO" key to set initial zero.





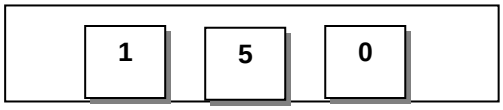
3.3 Tare

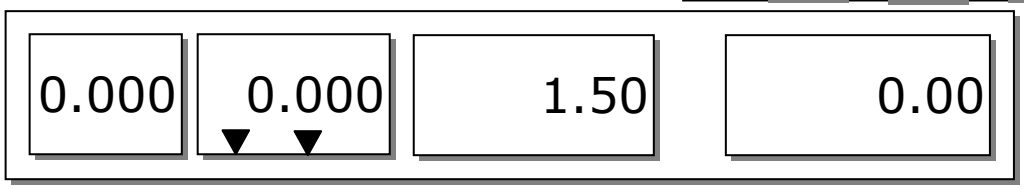
You can enter tare weights as long as there are no PLUs or MISC PLUs called-up. If

you need to temporarily override a PLU's tare weight, you must enter the tare weight first and then call-up that PLU. There are two ways to enter a tare weight and both ways will only work if there is no PLU or MISC PLU called-up.

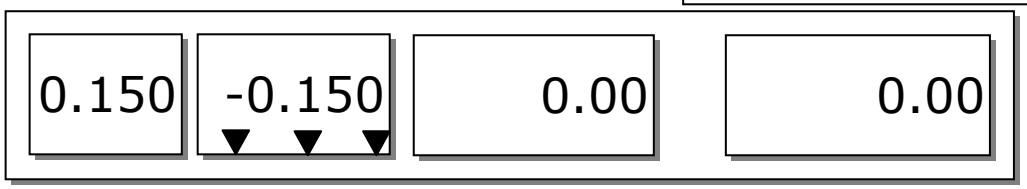
3.3.1 Manual Tare Entry

① Enter a tare weight manually by pressing the numeric keys EX) 150 g



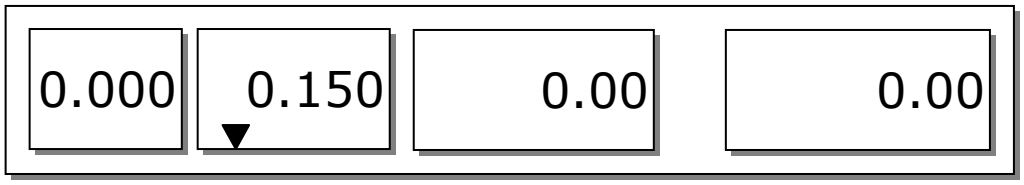


② Press "TARE" key.

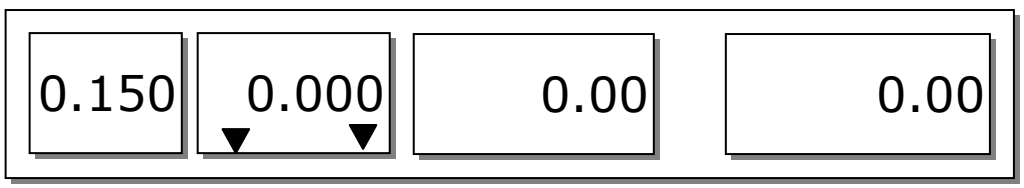


3.3.2 Weighed Tare Entry

① Place the empty container on the platter making sure that the weight is stable EX) 0.15 kg



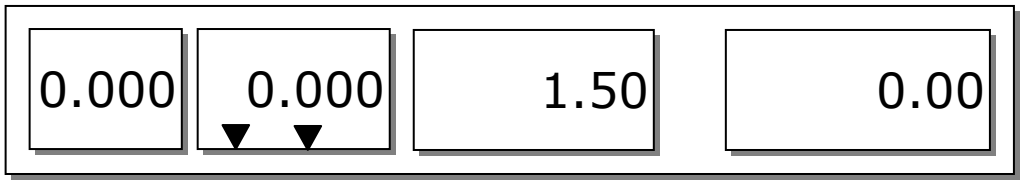
② Press "TARE" key.



3.3.3 How to Clear Tare

① Remove the item from the platter

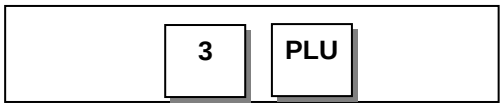
② Press "TARE" key again.

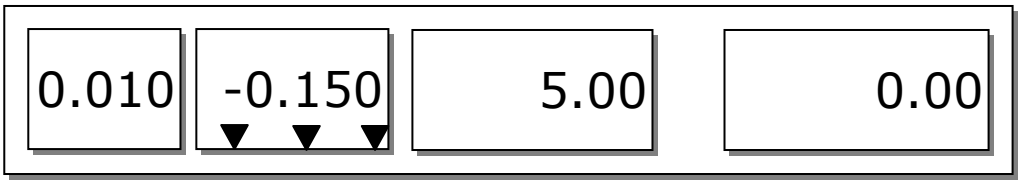


3.3.4 Preset Tare

① Call up a PLU including tare(weight of container).

EX) PLU #3's tare =150 g



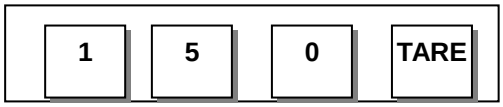


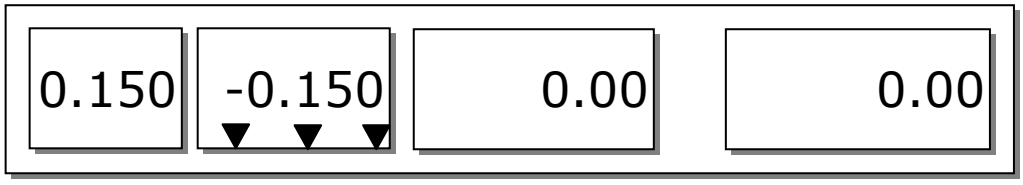
② Clear PLU#3, then tare is also automatically cleared.

3.3.5 Successive Tare

① Enter tare (weight of container) using numeric keys.

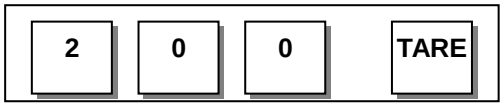
EX) 150 g

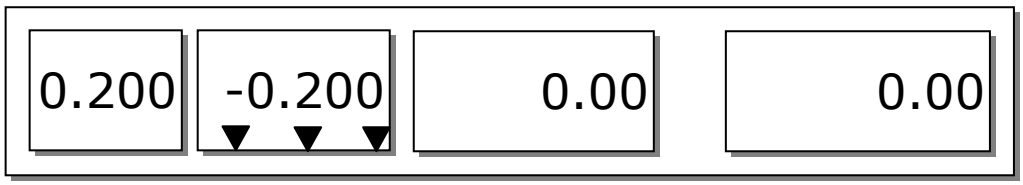




② Enter the weight of container using numeric keys.

EX) 200 g



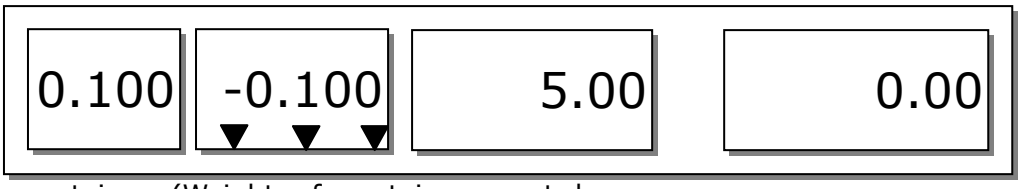


③ Press "TARE" key after removing item and container from the platter.

3.3.6 Tare Override

① Call up a PLU including tare (weight of container).

EX) PLU #4's tare = 100 g



② Place the container (Weight of container must be greater than weight data input) for TARE OVERRIDE.

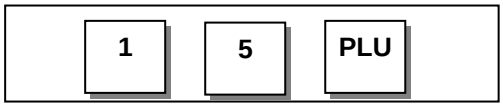
③ Pressing "TARE" key overrides current PLU tare (weight of container) and the weight becomes "O".

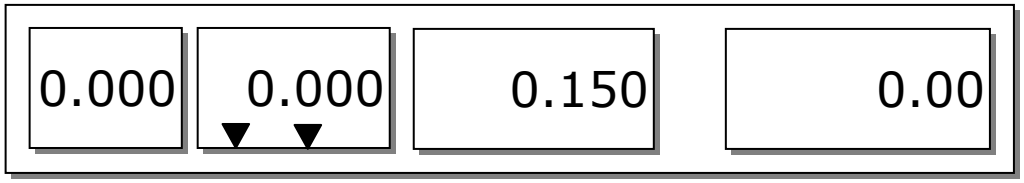
3.4 Calling Up a PLU

There are two ways to call up a PLU by using numeric key and preset key.

3.4.1 Using Numeric Key

① Enter PLU number by using numeric keys and press "PLU" key. EX) PLU No. 15





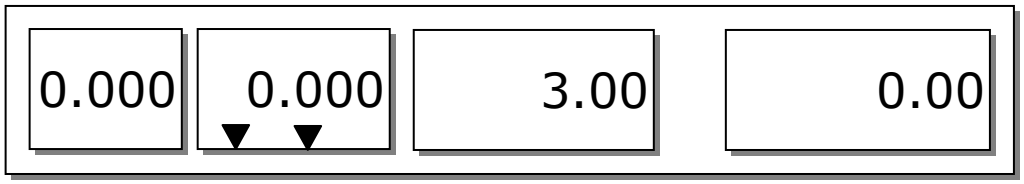
3.4.2 Using Speed Key

To call-up PLU number 79, and you programmed Speed key #5 to be PLU number 79, then you need to press the following key: Speed key #5.

Note:

- You have to set Speed key in program mode (Menu 1160 on chapter 2.6.1)

① Press a speed key (which is save as a PLU).
EX) PLU #79=Apple, Speed key #5



3.5 Override (FOR key)

The **OVERRIDE** key is used to temporarily change the pricing of ***priced PLUs***.

☞ If you set program menu 1873(Save unit price change), changed priced is saved after printing a label.

☞ If Para 534 : Default UnitWeight is different from unit weight of PLU, "Multiple Unit PLU" message can be occurred.

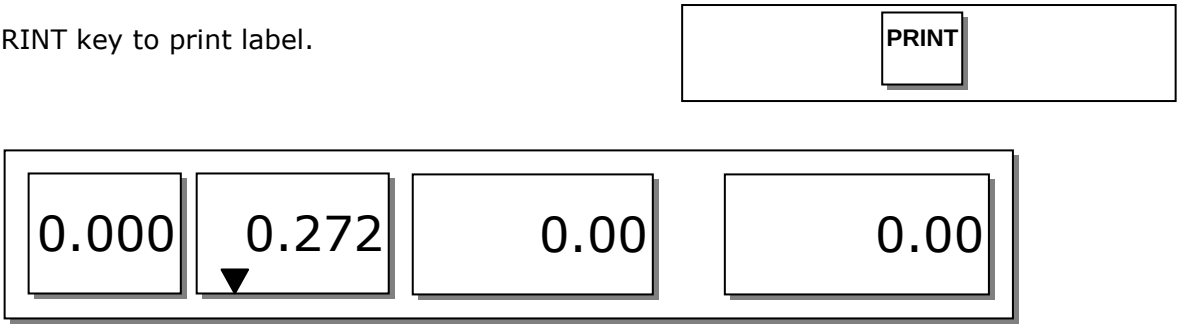
3.5.1 By-Weight PLU

- PLU# 1.MEAT (PLU Type: By weight, Unit Price : 1.99$).

① Press OVERRIDE key.

② Enter new unit price.

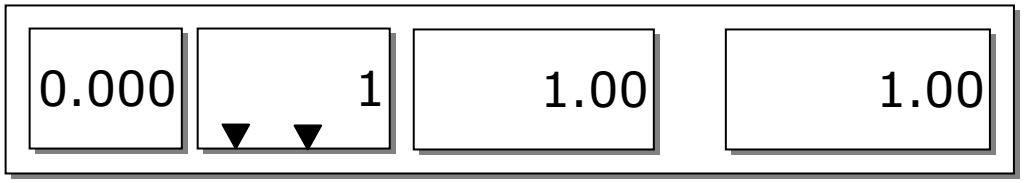
③ Press PRINT key to print label.



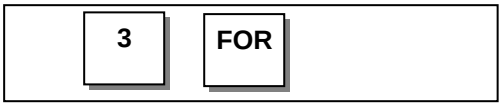
3.5.2 By-Count PLU

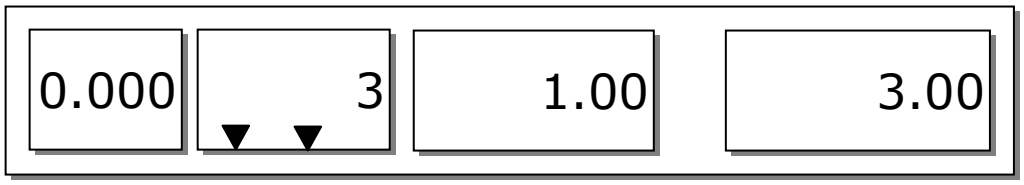
- PLU# 2.APPLE (PLU Type: By count, Unit Price : 1.00$).

① Press OVERRIDE key.

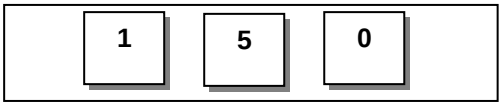


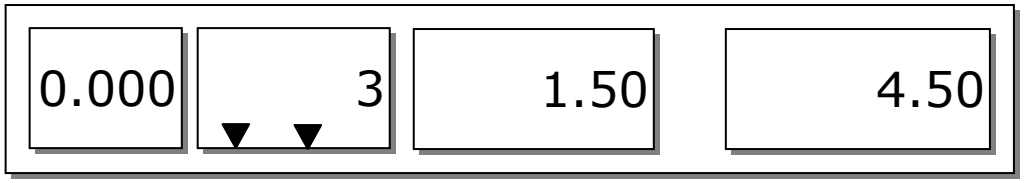
② Enter QUANTITY and press FOR key.



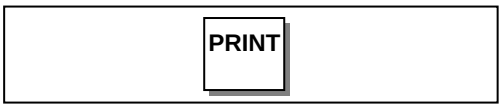


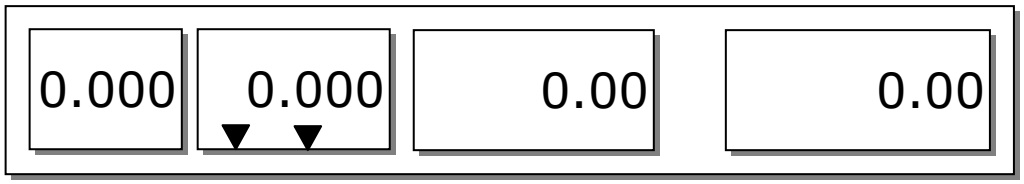
③ Enter new unit price.





④ Press PRINT key to print label.

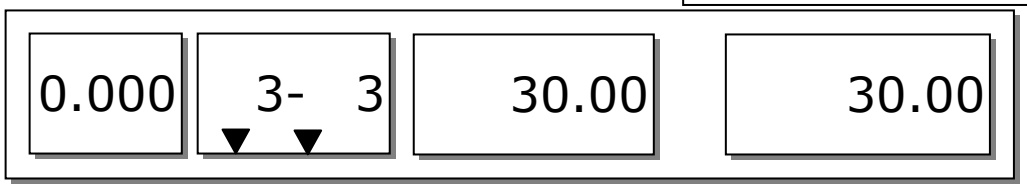




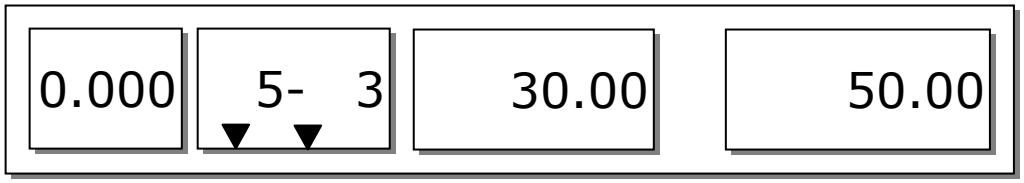
3.5.3 By-PCS PLU

- PLU# 3.Eggs (PLU Type: By PCS, Pieces : 3, Unit Price : 30.00$).

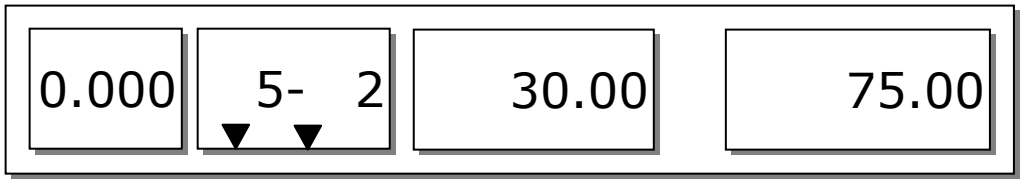
① Press OVERRIDE key.



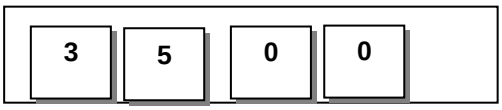
② Enter QUANTITY and press FOR key.

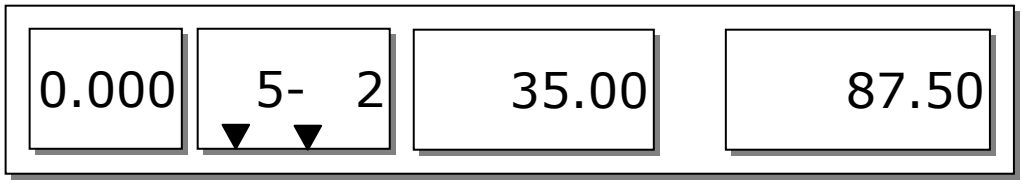


③ Enter PIECES and press FOR key

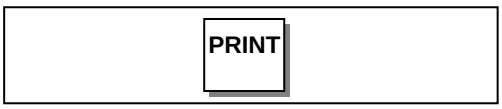


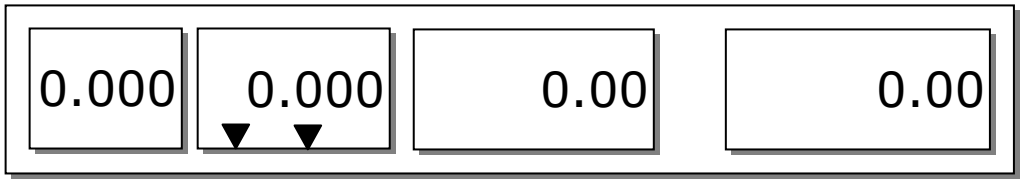
③ Enter new unit price.





④ Press PRINT key to print label.





3.6 Sales Operation

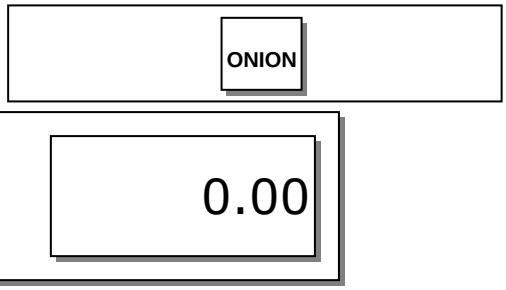
3.6.1 Weighed Item Operation

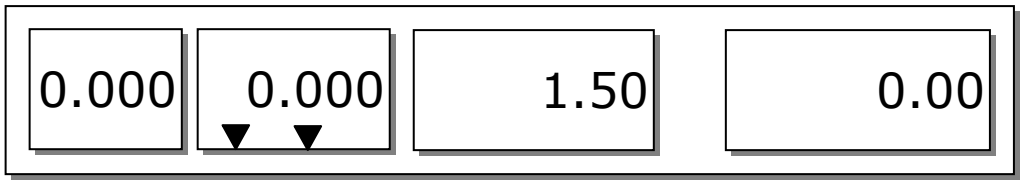
EXAMPLE:

- PLU No: 29, PLU Name: ONION, PLU type: by weight, Unit Price: 1.50$,

- Sales Weight=1.0kg

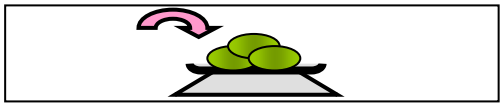
① Press Speed key to call up a PLU.

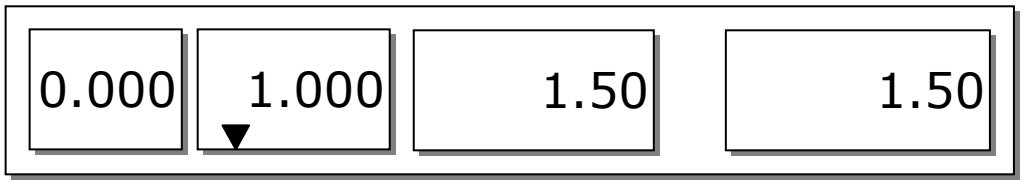




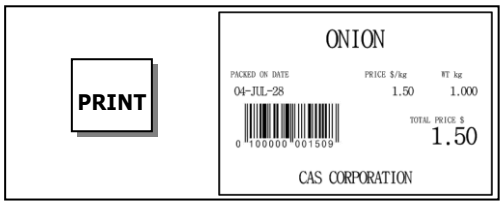
- User may call up a PLU by pressing speed key or numeric key. Please refer to chapter 3.4 for details.

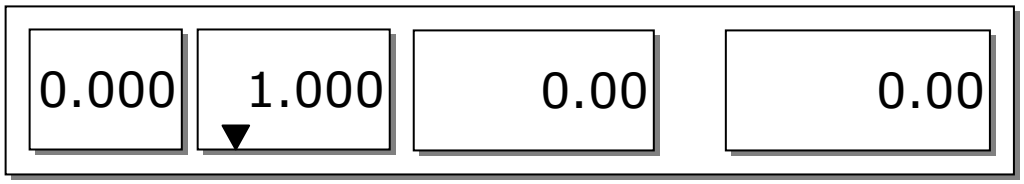
② Place the item(s) on the platter.



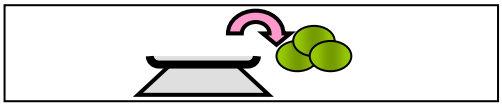


③ Press "PRINT" key to print a label and complete current transaction. This transaction(s) is saved in the sales record.





④ Remove the item(s) from the platter.



* Total Price= Sales weight X Unit price

☞ ***Note:***

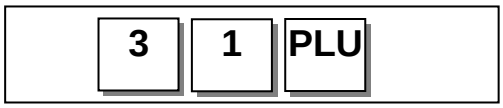
- In "SAVE" & "Prepack" mode the PLU is not automatically cleared when you remove the item from the platter.
- If you set "PLU clr Aft sale(WT.OnTray)" to "Y" in Menu 1873, PLU is cleared even though you do not remove the item from the platter. (See chapter 2.14.21 for menu 1873)

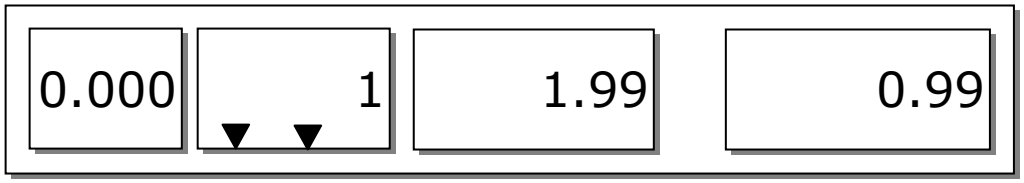
3.6.2 By Count Item

EXAMPLE:

- PLU No: 31, PLU Name: MANGO, PLU type= By-Count, Unit Price: 1.99$,
- Sales 20 pieces.

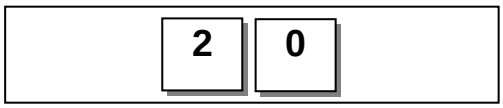
① Press numeric key(s) to call up a PLU.

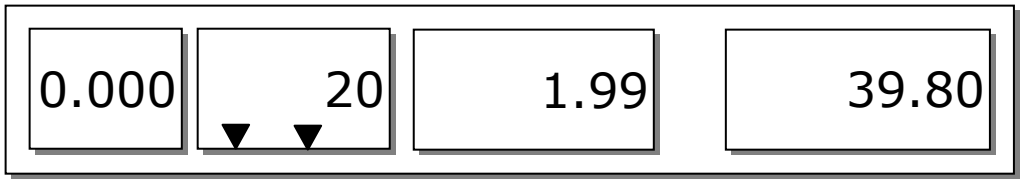




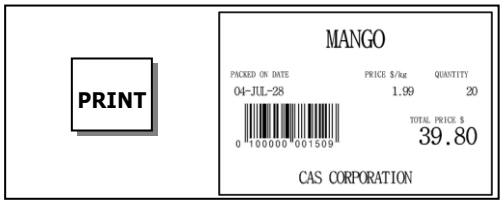
● User may call up a PLU by pressing speed key or numeric key. Please refer to chapter 3.4 for details.

② Enter the number of pieces.
EX) 20 pieces.





③ Press "PRINT" key to print a label and complete current transaction. This transaction(s) is saved in the sales record.



* Total Price= Piece(s) X Unit price

☞ ***Note:***

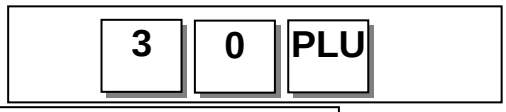
In "SAVE" & "Prepack" mode, the PLU called up is not automatically cleared when you remove the item from the platter.

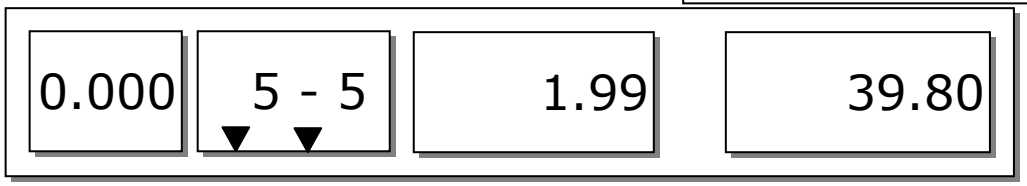
3.6.3 By PCS Item

EXAMPLE:

- PLU No: 30, PLU Name: ORANGE, PLU type= By PCS, PIECES: 5, Unit Price: 1.99$
- Sales=20 pieces. [QUANTITY item]

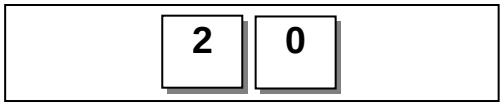
① Press numeric key(s) to call up a PLU.

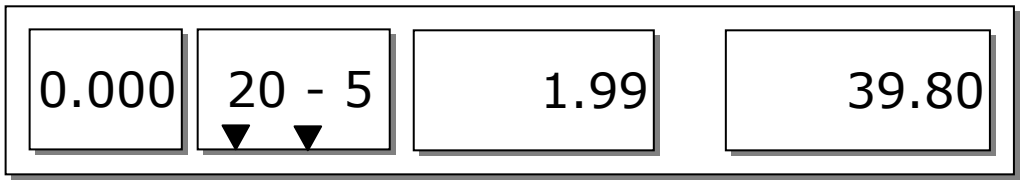




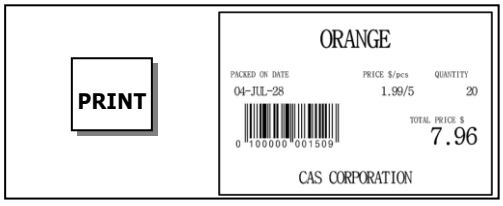
- User may call up a PLU by pressing speed key or numeric key. Please refer to page 143 for details.

② Enter QUANTITY [the number of Pieces].
EX) 20 pieces.





③ Press "PRINT" key to print a label and complete current transaction. This transaction(s) is saved in the sales record.



* Total Price= QUANTITY X [Unit price / PIECES]

☞ ***Note:***

In "SAVE" & "Prepack" mode the PLU is not automatically cleared when you remove the item from the platter.

3.7 Add-Up Transaction

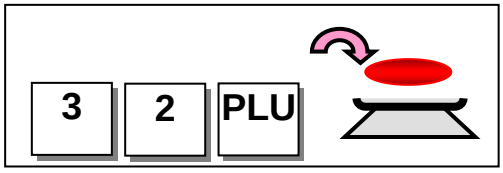
If you press the **ADD** key instead of the **PRINT** key, you will initiate the ADD-UP process. You can ADD-UP 100 items maximum.

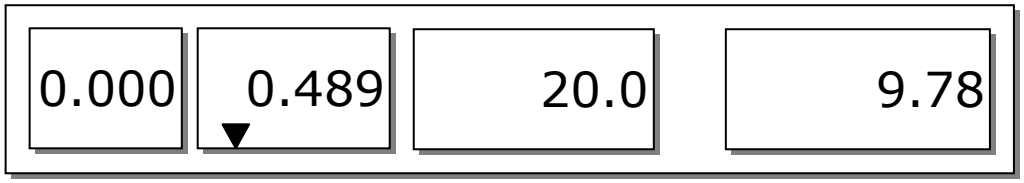
EXAMPLE:

PLU# 32=SIRLOIN, PLU Type = By-Weight, Unit Price=20.00,

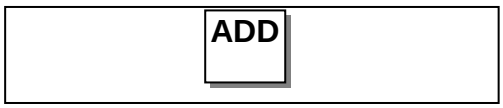
PLU# 35=T-bone Steak, PLU Type = By-PCS, Pieces=3, Unit Price=6.00

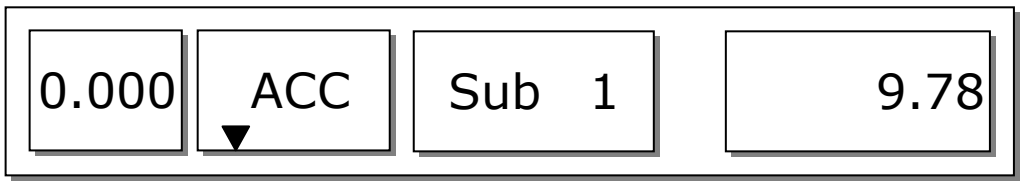
① Call up a PLU and place item on the platter.



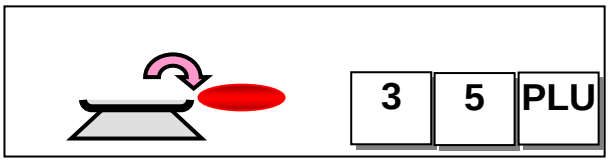


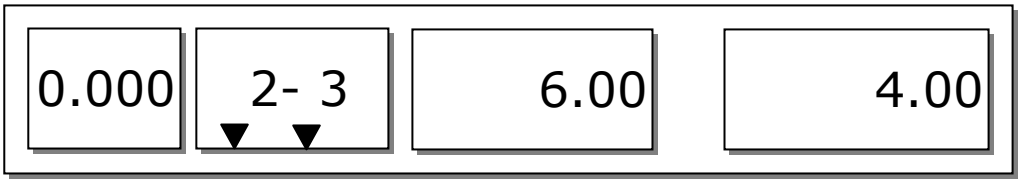
② Press ADD key. PLU is cleared automatically. You will see the display as below.



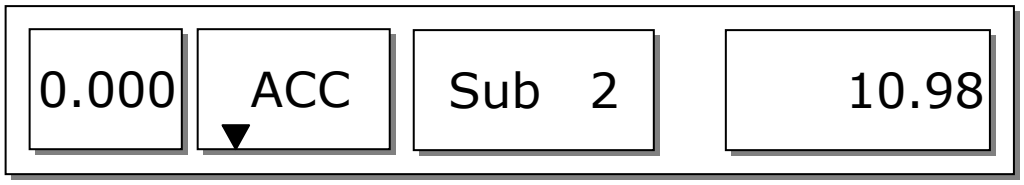


③ Remove item from the platter and call up a PLU.

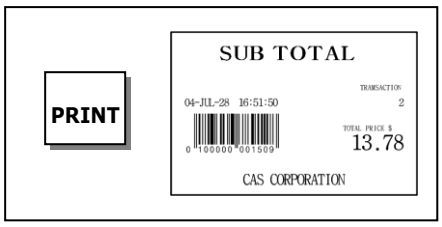


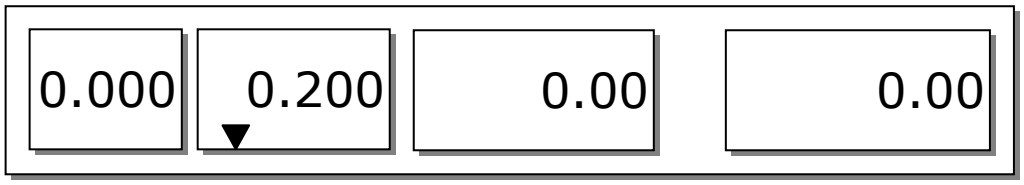


④ Press ADD key. PLU is cleared automatically. You will see the display as below.



⑥ To complete the sale, press the PRINT key. (To repeat the ADD-UP process, press the ESC key.)





☞ ***Note:***

- You can press the **VOID** key to undo the transaction. (See chapter 3.10).
- If you set "Print Item Label" to "Y" in menu 1750 of program mode, label will be printed whenever you press the ADD key. (See chapter 2.13.3)
- Even though you turn off the scale before printing a grand total label, add-up data is not cleared.

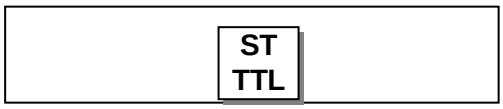
3.8 Void

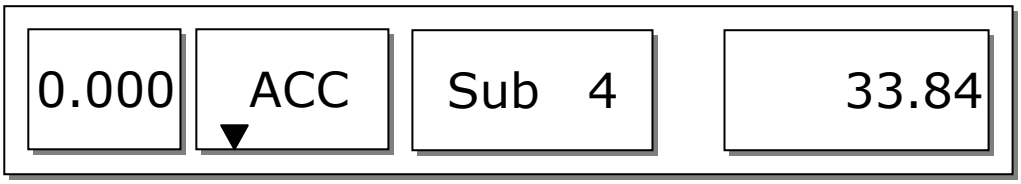
You can press the **VOID** key to undo just one lastest transaction in add-up process operation..

Assumption) You sold several items

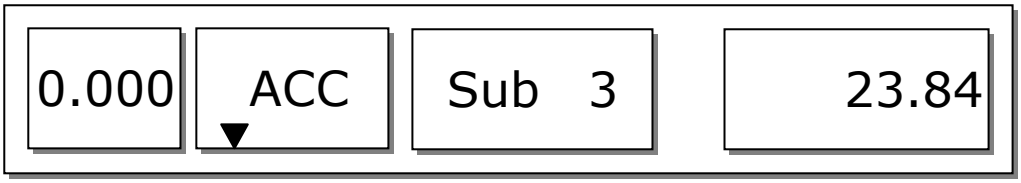
- If there is some PLU and some price to void

② Press ST/TTL key





② Press VOID key then last sale is cleared.



3.9 Return

The **RETURN** key is used to delete erroneous sale transactions. You can use the **RETURN** key to undo erroneous sales transactions like pressing the **PRINT** key inadvertently, selecting and printing the wrong PLU, an inadvertent Auto-Print in Pre-Pack mode, or perhaps adjusting the sales totals for a damaged or ruined package. Whatever the reason, the **RETURN** function will decrement returned PLU's transaction counter and sales totals by the specified amount.

You need to call-up the PLU that you wish to return by either pressing its corresponding speed key or typing its number.

■ When the price is zero,

0) By weight PLU : You need to enter the total price and weight that was printed on the return PLU's label
1) By count PLU: You need to enter the total price and quantity that was printed on the return PLU's label

■ When the price is higher than zero,

Return function is performed by pressing RETURN key

3.10 Prepack Key

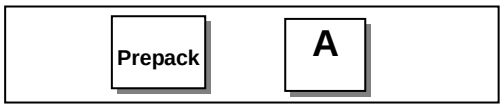
When the scale is in Pre-Pack mode, it prints labels automatically. When it is in MANUAL mode, you must press the **PRINT** key (or **ADD** key) to get a label. In Pre-Pack mode, you cannot select AUTO mode. Pre-Pack works like AUTO and SAVE mode except that the weight does not need to return to zero for every auto-print.

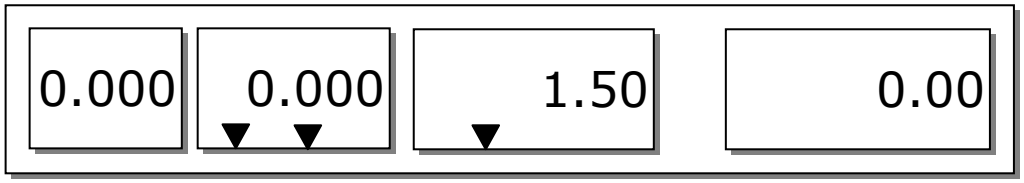
Pre-pack mode is very useful in back-room applications. This mode increases productivity by not requiring the user to press the **PRINT** key for every package. Instead the user can concentrate on weighing, wrapping, and labeling.

This function is only available for by-weight PLU.

EXAMPLE: Speed key #1="Onion" Unit price=1.50, Sales Weight=1.0kg,

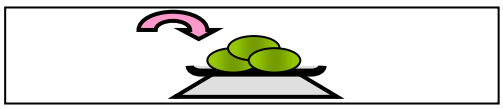
① Press PREPACK key and call up a PLU

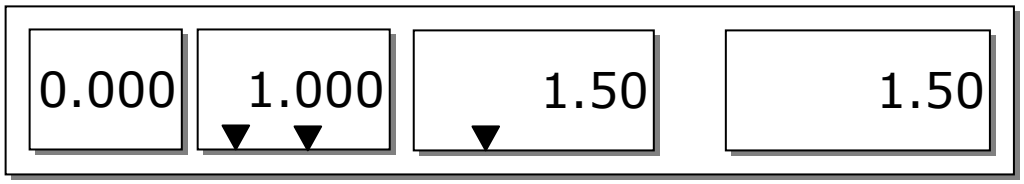




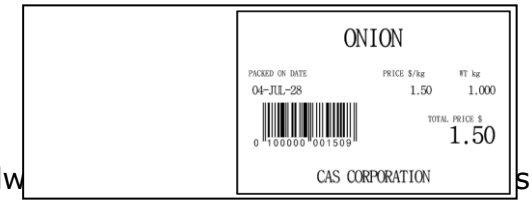
- * User may call up a PLU by pressing speed key or numeric key. Please refer to Menu code 1160.

② Place the item(s) on the platter.





③ Label is issued automatically.



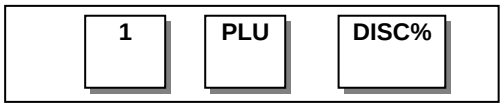
☞ **Note :** If the scale is in Prepack mode then it will alw s greater than 0.00 and:

3.11 Direct Discount

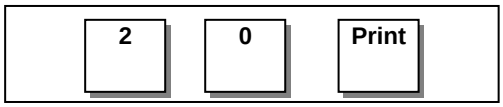
If there is no discount information in PLU, you can use this function.

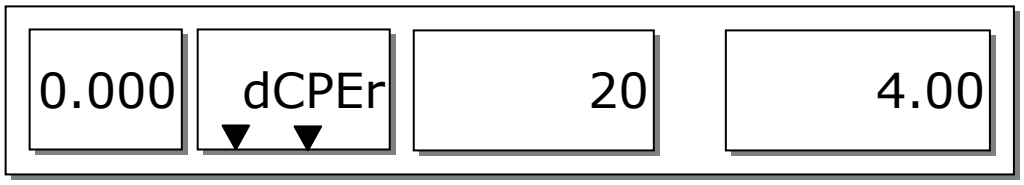
3.11.1 % Discount Price Key

① Place item on the platter and Call up a PLU(#1.APPLE) and press "%Discount" key



② Enter % amount to discount and press PRINT key
- Ex) 20%





③ Press PRINT key.

☞ **Note:**

- To use % DISCOUNT key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

4. Appendix

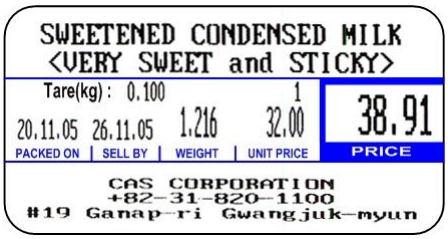
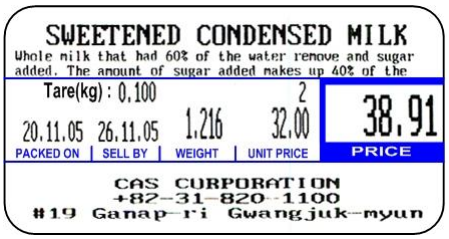
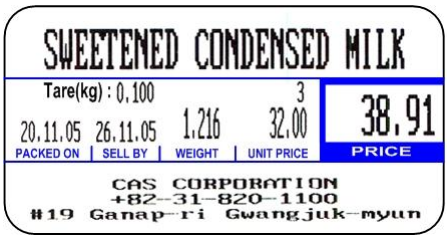
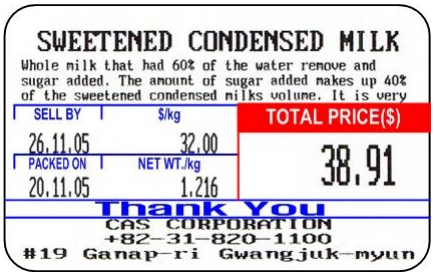
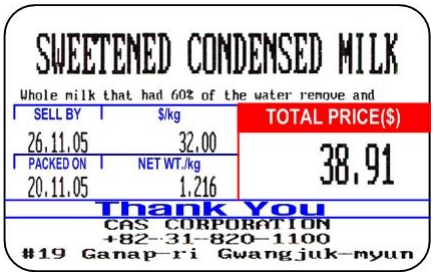
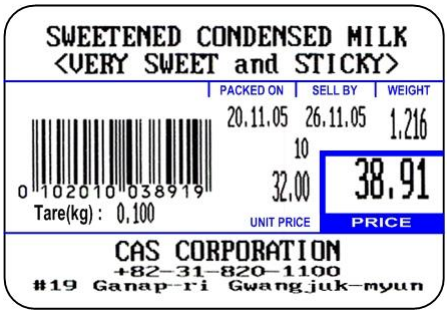
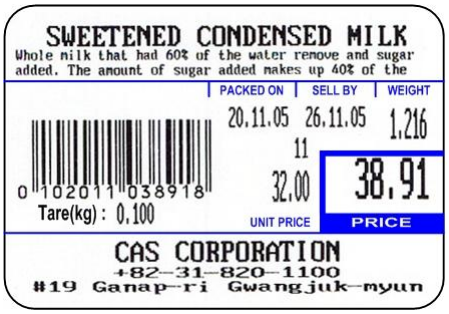
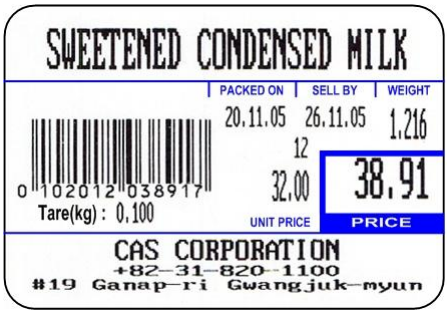
4.1 Label Format

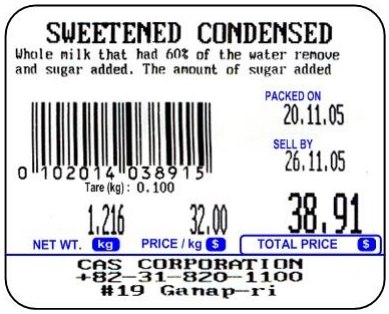
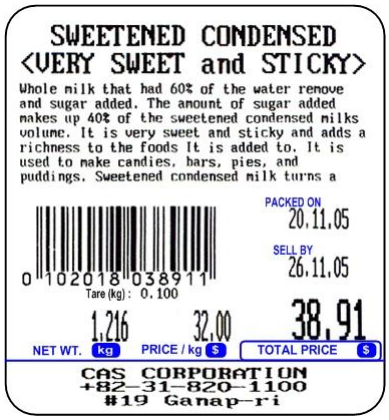
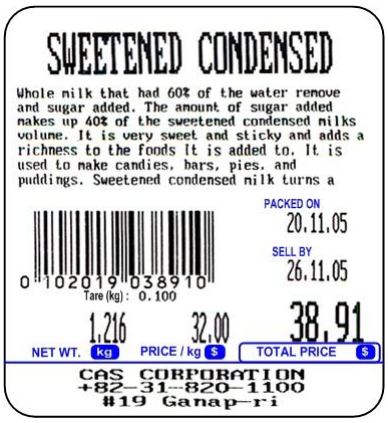
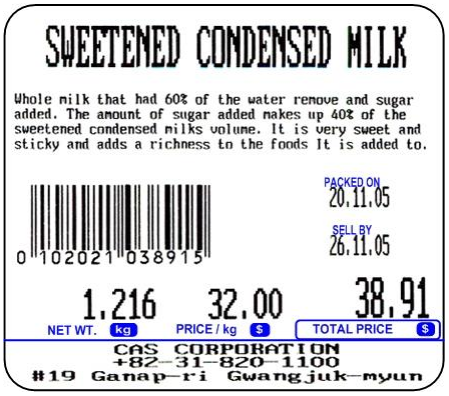
There are fixed label format and user label format

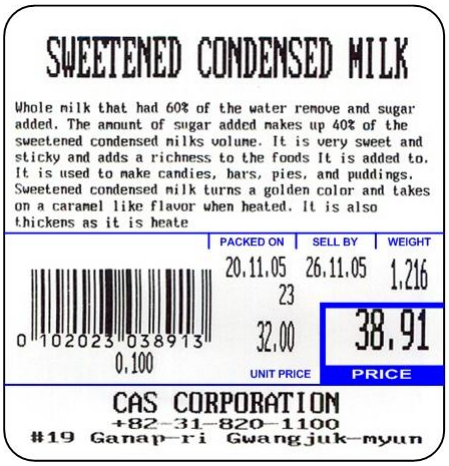
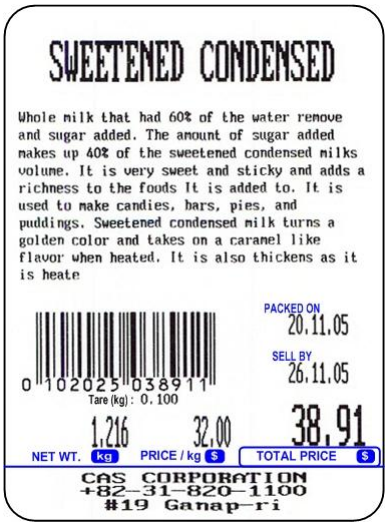
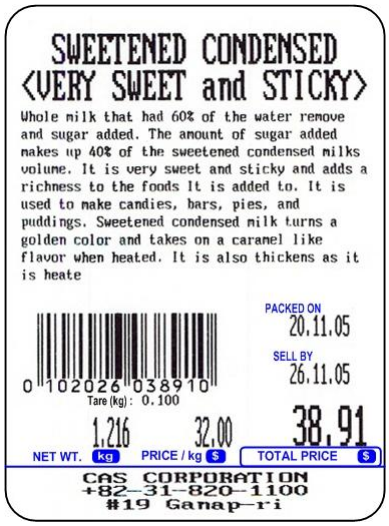
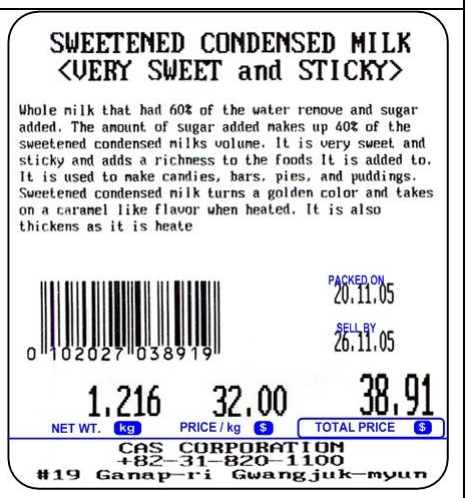
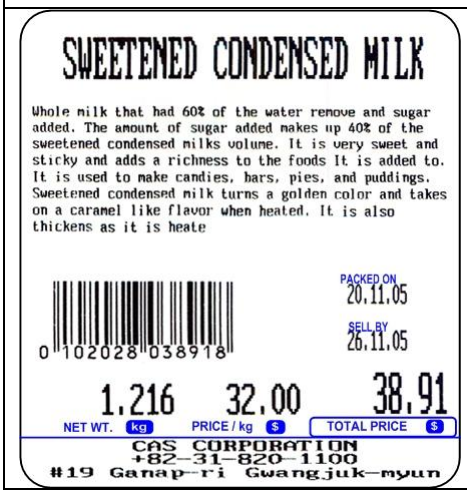
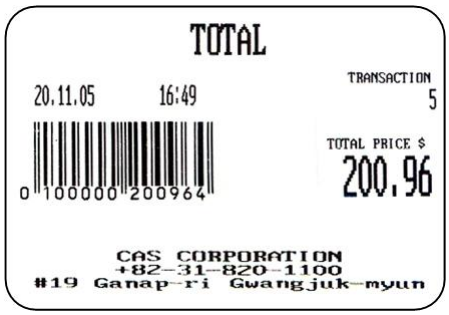
	Fixed Label Format	User Label Format
No.	1~50	51~60
Quantity	31	10
Method	Built in CL5000J	Download from PC
Features	You cannot edit format.	Using the PC program, you can program format numbers 51 to 60.

■ Fixed Label Format (UN)

No	Name	Width (mm)	Height (mm)	No	Name	Width (mm)	Height (mm)
1	IS6030-00001	60	30	24	IS5068-00024	50	68
2	IS6030-00002	60	30	25	IS5068-00025	50	68
3	IS6030-00003	60	30	26	IS5068-00026	50	68
4	IS5635-00004	56	35	27	IS6063-00027	60	63
5	IS5635-00005	56	35	28	IS6063-00028	60	63
6	IS5635-00006	56	35	29	IC6040-00029	60	40
7	IS6040-00007	60	40	30	IC6040-00030	60	40
8	IS6040-00008	60	40				
9	IS6040-00009	60	40				
10	IS6040-00010	60	40				
11	IS6040-00011	60	40				
12	IS6040-00012	60	40				
13	IS5040-00013	50	40				
14	IS5040-00014	50	40				
15	IS5040-00015	50	40				
16	IS5653-00016	56	53				
17	IS5653-00017	56	53				
18	IS5054-00018	50	54				
19	IS5054-00019	50	54				
20	IS6051-00020	60	51				
21	IS6051-00021	60	51				
22	IS6060-00022	60	60				
23	IS6060-00023	60	60				

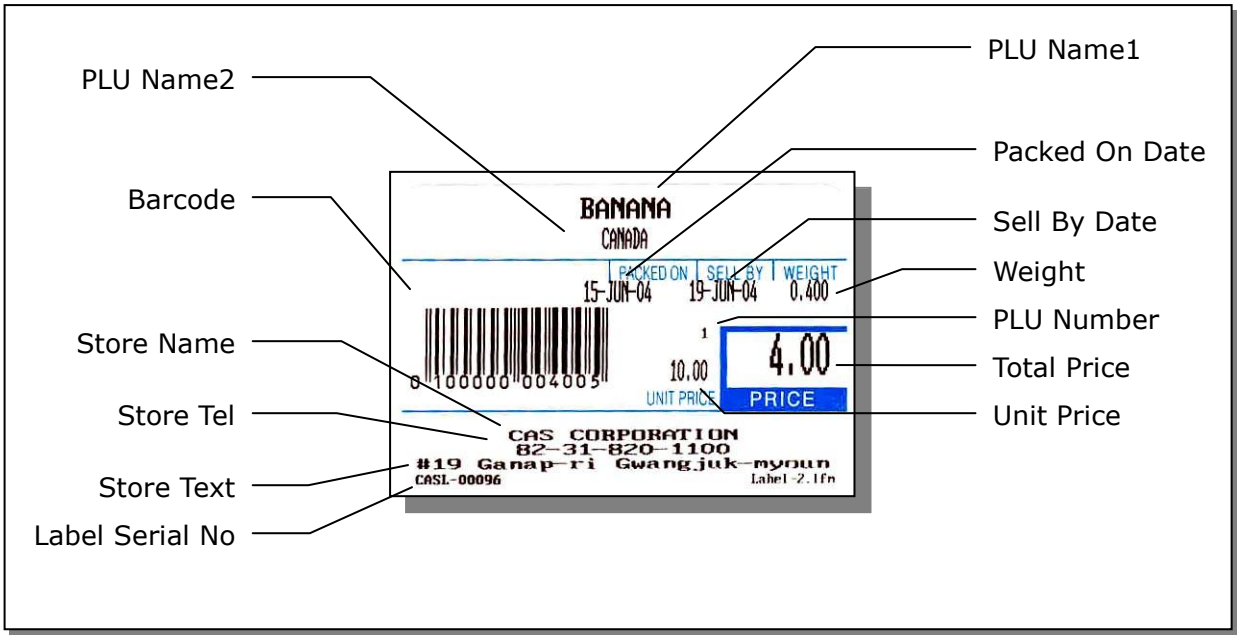
1	2	3
		
4	**5**	**6**
		
7	**8**	**9**
10	**11**	**12**
		

13	14	15
		
16	**17**	**18**
		
19	**20**	**21**
		

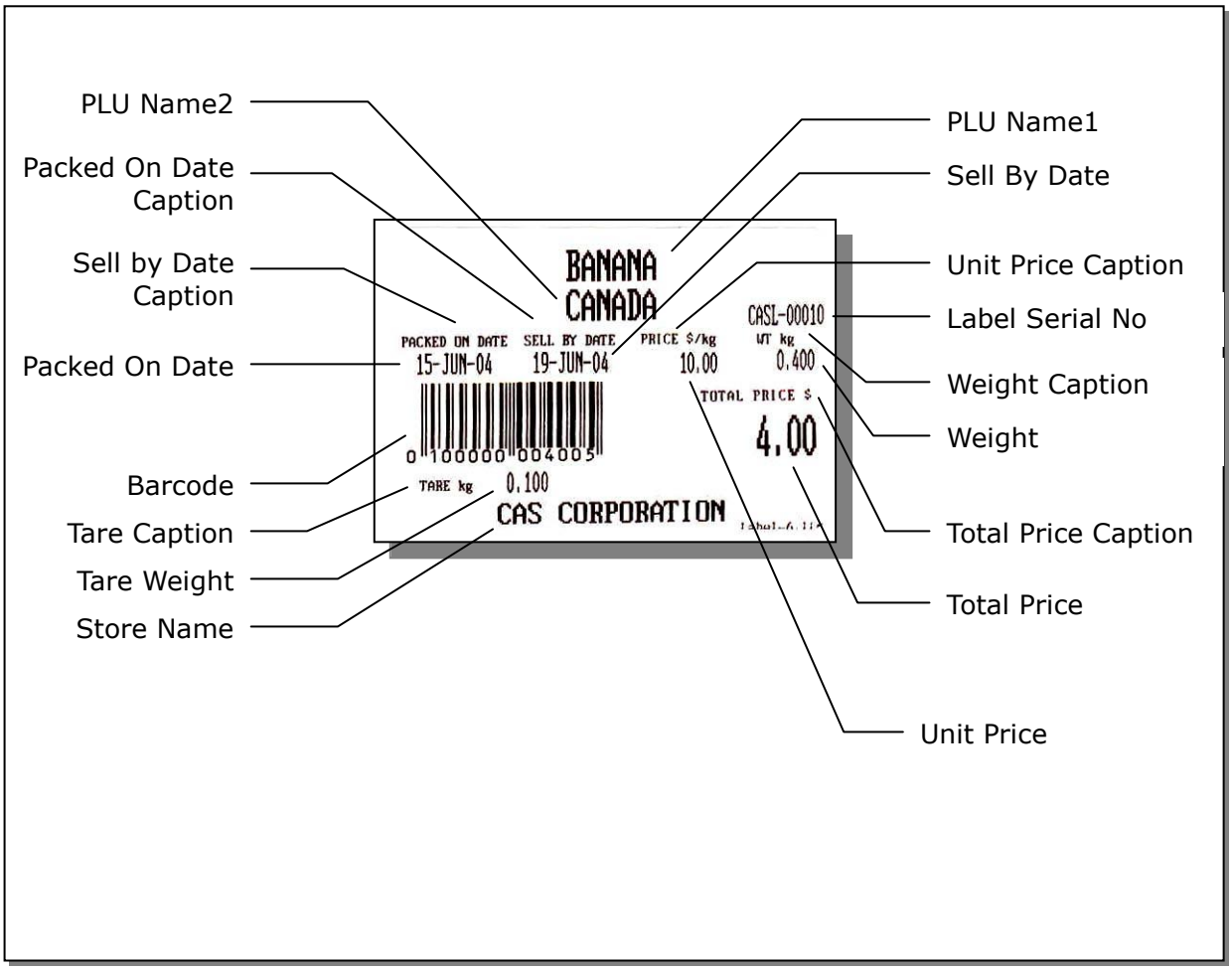
22	23	24
		
25	**26**	**27**
		
28	**29**	**30**
	 ***Total Label**	

4.2 Label Format Sample

(1) Label Sample 1



(2) Label Sample 2



4.3 Label Field

Label Format has several fields and each field has own ID.

Item label print the information of each PLU sale and Total label print the information of grand total of PLUs.

4.3.1 Item Label Field

No	Item	Field ID	Description
1	Department Name	1	Print department name.
2	Department No	115	Print department number.
3	Group No	9	Print group number
4	PLU No	2	Print PLU number
6	PLU Name1	29	Print PLU name1,2 and 3. Depending on the setting of MENU 1862 "Print origin for comm. line", Origin can be printed.
7	PLU Name2	30	
8	PLU Name3	31	
9	Item Code	11	Print item code
10	Prefix	3	Print prefix
11	Unit Weight	5	Print unit weight
14	Tare Weight	13	Print tare weight.
15	Pieces	14	Print Piece for By-Pcs PLU
16	Qty Symbol	15	Print symbol of Quantity.
17	Sell By Date	16	Print sell by date.
18	Sell By Time	17	Print sell by time. If sell by time is 0, it is not printed
19	Packed On Date	18	Print packed on date.
20	Packed On Time	19	Print packed on time
21	Produced Date	20	Print produced date. If producted date is 0, it is not printed
24	Origin	55	Print origin
25	Ingredient	25	Print ingredient
26	Sales Message	90	Print sales message
29	Percent Tare	24	Print percent tare. It is printed with %.
30	Percent Tare Limit	23	Print percent tare limit. It is printed with %.
31	Weight	101	Print weight when it is not applied Markdown (By-Weight PLU)
34	Quantity	112	Print quantity when it is not applied Markdown (By-Count/By-Pcs PLU)
37	Unit Price	6	Print unit price when it is not applied Markdown
40	Total Price	102	Print total price when it is not applied Markdown
44	Label Serial	135	Print label serial number
45	Store Name	105	Print store name
46	Store Tel	138	Print Telephone numer of store
47	Store Text	139	Print information of store.
52	Scale Number	137	Print scale number

4.4 ASCII Code Table

Microsoft Window Codepage 1252

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	NUL 0000	STX 0001	SOT 0002	ETX 0003	EOT 0004	ENQ 0005	ACK 0006	BEL 0007	BS 0008	HT 0009	LF 000A	VT 000B	FF 000C	CR 000D	SO 000E	SI 000F
10	DLE 0010	DC1 0011	DC2 0012	DC3 0013	DC4 0014	NAK 0015	SYN 0016	ETB 0017	CAN 0018	EM 0019	SUB 001A	ESC 001B	FS 001C	GS 001D	RS 001E	US 001F
20	SP 0020	! 0021	" 0022	# 0023	$ 0024	% 0025	& 0026	' 0027	(0028	) 0029	* 002A	+ 002B	, 002C	- 002D	. 002E	/ 002F
30	0 0030	1 0031	2 0032	3 0033	4 0034	5 0035	6 0036	7 0037	8 0038	9 0039	: 003A	; 003B	< 003C	= 003D	> 003E	? 003F
40	@ 0040	A 0041	B 0042	C 0043	D 0044	E 0045	F 0046	G 0047	H 0048	I 0049	J 004A	K 004B	L 004C	M 004D	N 004E	O 004F
50	P 0050	Q 0051	R 0052	S 0053	T 0054	U 0055	V 0056	W 0057	X 0058	Y 0059	Z 005A	[005B	\ 005C	] 005D	^ 005E	_ 005F
60	` 0060	a 0061	b 0062	c 0063	d 0064	e 0065	f 0066	g 0067	h 0068	i 0069	j 006A	k 006B	l 006C	m 006D	n 006E	o 006F
70	p 0070	q 0071	r 0072	s 0073	t 0074	u 0075	v 0076	w 0077	x 0078	y 0079	z 007A	{ 007B	| 007C	} 007D	~ 007E	DEL 007F
80	€ 20AC		‚ 201A	ƒ 0192	„ 201E	… 2026	† 2020	‡ 2021	ˆ 02C6	‰ 2030	Š 0160	‹ 2039	Œ 0152		Ž 017D	
90		‘ 2018	’ 2019	“ 201C	” 201D	• 2022	– 2013	— 2014	˜ 02DC	™ 2122	š 0161	› 203A	œ 0153		ž 017E	Ÿ 0178
A0	NBSP 00A0	¡ 00A1	¢ 00A2	£ 00A3	¤ 00A4	¥ 00A5	¦ 00A6	§ 00A7	¨ 00A8	© 00A9	ª 00AA	« 00AB	¬ 00AC	- 00AD	® 00AE	¯ 00AF
B0	° 00B0	± 00B1	² 00B2	³ 00B3	´ 00B4	µ 00B5	¶ 00B6	· 00B7	¸ 00B8	¹ 00B9	º 00BA	» 00BB	¼ 00BC	½ 00BD	¾ 00BE	¿ 00BF
C0	À 00C0	Á 00C1	Â 00C2	Ã 00C3	Ä 00C4	Å 00C5	Æ 00C6	Ç 00C7	È 00C8	É 00C9	Ê 00CA	Ë 00CB	Ì 00CC	Í 00CD	Î 00CE	Ï 00CF
D0	Ð 00D0	Ñ 00D1	Ò 00D2	Ó 00D3	Ô 00D4	Õ 00D5	Ö 00D6	× 00D7	Ø 00D8	Ù 00D9	Ú 00DA	Û 00DB	Ü 00DC	Ý 00DD	Þ 00DE	ß 00DF
E0	à 00E0	á 00E1	â 00E2	ã 00E3	ä 00E4	å 00E5	æ 00E6	ç 00E7	è 00E8	é 00E9	ê 00EA	ë 00EB	ì 00EC	í 00ED	î 00EE	ï 00EF
F0	ð 00F0	ñ 00F1	ò 00F2	ó 00F3	ô 00F4	õ 00F5	ö 00F6	÷ 00F7	ø 00F8	ù 00F9	ú 00FA	û 00FB	ü 00FC	ý 00FD	þ 00FE	ÿ 00FF

Note : To enter “A”, first you have to read 40 in a row and 01 in a column and type 41.

4.5 Window Character Set Information

Code	Short Name	Description	Country
1250	Central Europe	Windows Latin 2	Albania, Croatia, Czech, Faeroese, Hungarian, Polish, Romanian, Serbian(Latin), Slovak, Slovenian
1251	Cyrillic	Windows Cyrillic (Slavic)	Byelorussian, Bulgarian, Russian, Ukrainian
1252	Latin 1	Windows Latin 1 (ANSI)	Afrikaans, Catalan, Danish, Dutch, English, USA, Canada, New Zealand, Austria, Ireland, South Africa, Finnish, French, Belgium, Switzerland, Luxembourg, German, Austria, Liechtenstein, Italian, Icelandic, Indonesian, Norwegian, Portuguese, Brazil, Spanish, Mexico, Swedish
1253	Greek	Windows Greek	Greek
1254	Turkish	Windows Latin 5 (Turkish)	Turkish
1255	Hebrew	Windows Hebrew	Hebrew
1256	Arabic	Windows Arabic	Saudi Arabia, Iraq, Egypt, Lobya, Algeria, Morocco, Tunisia, Oman, Yemen, Syria, Jordan, Lebanon, Kuwait, United Arab Emirates, Bahrain, Qatar, Farsi
1257	Baltic	Windows Batic Rim	Estonian, Latvian, Lithuanian
1258	Vietnam		Vietnam
874	Thai		Thai
932	Japanese Shift-JIS		Japan
936	Simplified Chinese GBK	Simplified Chinese	Chinese, Singapore
949	Korean	Complete Hangul	Korea
950	Traditional Chinese BIG5	Traditional Chinese	Taiwan, HongKong